

TECHNICAL SPECIFICATION

Identification of units of measurement for computer-based processing

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TECHNICAL SPECIFICATION

Identification of units of measurement for computer-based processing

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**IDENTIFICATION OF UNITS OF MEASUREMENT
FOR COMPUTER-BASED PROCESSING**

FOREWORD

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

International Standard IEC 62720, which is a technical specification, has been prepared by subcommittee 3D: Product properties and classes and their identification, of IEC technical committee 3: Information structures and elements, identification and marking principles, documentation and graphical symbols.

This second edition cancels and replaces the first edition published in 2013. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the detailed description of the units is contained in the IEC CDD (<http://cdd.iec.ch/>¹) and removed from this document;
- b) Annex B contains the reference to the IEC CDD;
- c) Annex C contains an abridged listing of quantities, units and their identifying codes;
- d) Annexes D and E are removed.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
3D/282/DTS	3D/289/RVC

Full information on the voting for the approval of this technical specification can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

¹ Website checked on 2016-06-10.

INTRODUCTION

For the interpretation of documents such as data sheets, catalogues, or other product related documentation, units of measure play an inconspicuous but important role. All quantitative data can be prone to misinterpretation if its unit of measure is unclear or wrong. Thus, there is a strong requirement to unambiguously identify units of measure and ensure that each unit of measure and its underlying quantity is clearly specified.

As a consequence there is a need to provide computer interpretable identifiers for units of measure. This document assigns identifiers to many standard or non-standard units of measure currently in use.

To ensure timely and fast maintenance of the collection, the content of the document is provided in the IEC Common Data Dictionary (CDD), thus making possible easy maintenance and fast introduction of missing units of measure and quantities.

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IDENTIFICATION OF UNITS OF MEASUREMENT FOR COMPUTER-BASED PROCESSING

1 Scope

This document specifies identifiers for units to support computer-based processing of product data. It provides a survey of quantities with associated collections of internationally standardized as well as non-standardized units used in business and science.

Within the scope of this document are any standard or non-standard units of measure currently in use, in two or more distinct ethno-linguistic groups or nations, at least in one domain of industry, for which an explicit method of conversion to a known standard unit of measure or its equivalent is well documented or evident from external references.

IEC 62720 collects units commonly used in business data. It does not purport to be complete. The standardization of units or parts thereof is out of the scope of this document.

NOTE Having assigned an identifier by being mentioned in this document does not imply that the unit of measure in question or parts thereof can be considered to be standardized.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 11179 (all parts), *Information technology – Metadata registries (MDR)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

quantity

property of a phenomenon, body, or substance, where the property has a magnitude that can be expressed by means of a number and a reference

Note 1 to entry: The generic concept “quantity” can be divided into several levels of specific concepts, as shown in Table 1. The left hand side of the table shows specific concepts under “quantity”. These are generic concepts for the individual quantities in the right hand column.

Table 1 – Examples of generic concepts for individual quantities

Generic concepts for individual quantities		Individual quantities
length, l	radius, r	radius of circle A, r_A or $r(A)$
	wavelength, λ	wavelength of the sodium D radiation, λ_D or $\lambda(D; Na)$
energy, E	kinetic energy, T	kinetic energy of particle i in a given system, T_i
	heat, Q	heat of vaporization of sample i of water, Q_i
electric charge, Q		electric charge of the proton, e
electric resistance, R		electric resistance of resistor i in a given circuit, R_i
amount-of-substance concentration of entity B, c_B		amount-of-substance concentration of ethanol in wine sample i , c_i (C_2H_5OH)
number concentration of entity B, C_B		number concentration of erythrocytes in blood sample i , $C(Erys; B_i)$
Rockwell C hardness (150 kg load), HRC (150 kg)		Rockwell C hardness of steel sample i , HRC _{i} (150 kg)

Note 2 to entry: A reference can be a measurement unit, a measurement procedure, a reference material, or a combination of them. For magnitude of a quantity.

Note 3 to entry: Symbols for quantities are given in the International Standard ISO/IEC 80000, *Quantities and units*. The symbols for quantities are written in italics. A given symbol can indicate different quantities.

Note 4 to entry: A quantity as defined here is a scalar. However, a vector or a tensor, the components of which are quantities, is also considered to be a quantity.

Note 5 to entry: The concept “quantity” may be generically divided into, e.g. “physical quantity”, “chemical quantity”, and “biological quantity”, or “base quantity” and “derived quantity”.

[SOURCE: ISO 80000-1:2009, 3.1, modified – Note 6 omitted.]

3.2

system of quantities

set of quantities together with a set of non-contradictory equations relating those quantities

Note 1 to entry: Ordinal quantities such as Rockwell C hardness, and nominal properties such as colour of light, are usually not considered to be part of a system of quantities because they are related to other quantities through empirical relations only.

[SOURCE: ISO 80000-1:2009, 3.3, modified – Note 2 omitted.]

3.3

International System of Quantities

ISQ

system of quantities based on the seven base quantities: length, mass, time, electric current, thermodynamic temperature, amount of substance, and luminous intensity

Note 1 to entry: This system of quantities is published in the International Standard ISO/IEC 80000, *Quantities and units*, Parts 3 to 14.

Note 2 to entry: The International System of Units is based on the International System of Quantities.

[SOURCE: ISO 80000-1:2009, 3.6, modified – Note 3 omitted.]

3.4

International System of Units

SI

system of units based on the International System of Quantities, their names and symbols, including a series of prefixes and their names and symbols, together with rules for their use, adopted by the General Conference on Weights and Measures (CGPM)

Note 1 to entry: The SI is founded on the seven base quantities of the International System of Quantities and the names and symbols of the corresponding base units that are contained in Table 2:

Table 2 – Base quantity and base unit

Base quantity	Base unit	
	Name	Symbol
length	metre	m
mass	kilogram	kg
time, duration	second	s
electric current	ampere	A
thermodynamic temperature	kelvin	K
amount of substance	mole	mol
luminous intensity	candela	cd

Note 2 to entry: The base units and the coherent derived units of the SI form a coherent set, designated the “set of coherent SI units”.

Note 3 to entry: For a full description and explanation of the International System of Units, see the current edition of the SI brochure published by the International Bureau of Weights and Measures (BIPM) and available on the BIPM website.

Note 4 to entry: In quantity calculus, the quantity “number of entities” is often considered to be a base quantity, with the base unit one, symbol 1.

Note 5 to entry: The SI prefixes for multiples and submultiples of units are given.

[SOURCE: IEC 60050-112:2010, 112-02-02]

3.5

base quantity

quantity in a conventionally chosen subset of a given system of quantities, where no quantity in the subset can be expressed in terms of the other quantities within that subset

Note 1 to entry: The subset mentioned in the definition is termed the “set of base quantities”.

EXAMPLE The set of base quantities in the International System of Quantities is given in Table 2.

Note 2 to entry: Base quantities are referred to as being mutually independent since a base quantity cannot be expressed as a product of powers of the other base quantities.

Note 3 to entry: “Number of entities” can be regarded as a base quantity in any system of quantities.

[SOURCE: ISO 80000-1:2009, 3.4, modified – Note 4 omitted.]

3.6

derived quantity

quantity, in a system of quantities, defined in terms of the base quantities of that system

EXAMPLE In a system of quantities having the base quantities length and mass, mass density is a derived quantity defined as the quotient of mass and volume (length to the power three).

[SOURCE: ISO 80000-1:2009, 3.5, modified – Note omitted.]

3.7

quantity value

value of a quantity

value

number and reference together expressing magnitude of a quantity

EXAMPLE 1	length of a given rod	5,34 m or 534 cm
EXAMPLE 2	mass of a given body	0,152 kg or 152 g
EXAMPLE 3	curvature of a given arc	112 m ⁻¹
EXAMPLE 4	Celsius temperature of a given sample	–5 °C
EXAMPLE 5	electric impedance of a given circuit element at a given frequency, where “j” is the imaginary unit	(7 + 3j) Ω
EXAMPLE 6	refractive index of a given sample of glass	1,32
EXAMPLE 7	Rockwell C hardness of a given sample (150 kg load)	43,5 HRC(150 kg)
EXAMPLE 8	mass fraction of cadmium in a given sample of copper	3 µg/kg or 3 · 10 ⁻⁹
EXAMPLE 9	molality of Pb ²⁺ in a given sample of water	1,76 µmol/kg
EXAMPLE 10	amount-of-substance concentration of lutropin in a given sample of plasma (WHO International Standard 80/552)	5,0 IU/l (WHO International Units per litre)

Note 1 to entry: According to the type of reference, a quantity value is either

- a product of a number and a measurement unit (see Examples 1, 2, 3, 4, 5, 6, and 9); the measurement unit one is generally not indicated for quantities of dimension one (see Examples 6 and 8), or
- a number and a reference to a measurement procedure (see Example 7), or
- a number and a reference material (see Example 10).

Note 2 to entry: The number can be complex (see Example 5).

Note 3 to entry: A quantity value can be presented in more than one way (see Examples 1, 2, and 8).

Note 4 to entry: In the case of vector or tensor quantities, each component has a quantity value.

EXAMPLE Force acting on a given particle, e.g., in Cartesian components $(F_x; F_y; F_z) = (31,5; 43,2; 17,0)$ N, where $(31,5; 43,2; 17,0)$ is a numerical-value vector and “N” (newton) is the unit, or $(F_x; F_y; F_z) = (31,5 \text{ N}; 43,2 \text{ N}; 17,0 \text{ N})$ where each component is a quantity.

[SOURCE: ISO 80000-1:2009, 3.19, modified – Note 5 omitted]

3.8

dimension of a quantity quantity dimension dimension

expression of the dependence of a quantity on the base quantities of a system of quantities as a product of powers of factors corresponding to the base quantities, omitting any numerical factor

EXAMPLE 1 In the International System of Quantities, the quantity dimension of force is denoted by $\dim F = \text{LMT}^{-2}$.

EXAMPLE 2 In the same system of quantities, $\dim \rho_B = \text{ML}^{-3}$ is the quantity dimension of mass concentration of component B, and ML^{-3} is also the quantity dimension of mass density, ρ .

EXAMPLE 3 The period T of a particle pendulum of length l at a place with the local acceleration of free fall g is

$$T = 2\pi \sqrt{\frac{l}{g}} \quad \text{or} \quad T = C(g) \sqrt{l} \quad \text{where} \quad C(g) = \frac{2\pi}{\sqrt{g}}$$

Hence $\dim C(g) = T \cdot L^{-1/2}$

Note 1 to entry: A power of a factor is the factor raised to an exponent. Each factor is the dimension of a base quantity.

Note 2 to entry: The conventional symbolic representation of the dimension of a base quantity is a single upper case letter in roman (upright) type. The conventional symbolic representation of the dimension of a derived quantity is the product of powers of the dimensions of the base quantities according to the definition of the derived quantity. The dimension of a quantity Q is denoted by $\dim Q$.

Note 3 to entry: In deriving the dimension of a quantity, no account is taken of its scalar, vector, or tensor character.

Note 4 to entry: In a given system of quantities,

- quantities of the same kind have the same quantity dimension,
- quantities of different quantity dimensions are always of different kinds, and
- quantities having the same quantity dimension are not necessarily of the same kind.

Note 5 to entry: Symbols representing the dimensions of the base quantities in the International System of Quantities are (see Table 3):

Table 3 – Base quantities

Base quantity	Symbol for dimension
length	L
mass	M
time	T
electric current	I
thermodynamic temperature	Θ
amount of substance	N
luminous intensity	J

Thus, the dimension of a quantity Q is denoted by $\dim Q = L^{\alpha} M^{\beta} T^{\gamma} I^{\delta} \Theta^{\epsilon} N^{\zeta} J^{\eta}$ where the exponents, named dimensional exponents, are positive, negative, or zero. Factors with exponent zero or the exponent 1 are usually omitted.

Note 6 to entry Adapted from ISO/IEC Guide 99:2007, 1.7, in which Note 5 and Examples 2 and 3 are different and in which “dimension of a quantity” and “dimension” are given as admitted terms.

[SOURCE: ISO 80000-1:2009, 3.7]

3.9 dimensional exponent

exponent of the dimension of a base quantity in the dimension of a quantity

[SOURCE: IEC 60050-112:2010, 112-01-12]

3.10 unit of measurement measurement unit unit

real scalar quantity, defined and adopted by convention, with which any other quantity of the same kind can be compared to express the ratio of the second quantity to the first one as a number

Note 1 to entry: Measurement units are designated by conventionally assigned names and symbols.

Note 2 to entry: Measurement units of quantities of the same quantity dimension may be designated by the same name and symbol even when the quantities are not of the same kind. For example joule per kelvin and J/K are respectively the name and symbol of both a measurement unit of heat capacity and a measurement unit of entropy, which are generally not considered to be quantities of the same kind. However, in some cases special measurement unit names are restricted to be used with quantities of specific kind only. For example, the measurement unit “second to the power minus one” (1/s) is called hertz (Hz) when used for frequencies and becquerel (Bq) when used for activities of radionuclides. As another example, the joule (J) is used as a unit of energy, but never as a unit of moment of force, i.e., the newton metre (Nm).

Note 3 to entry: Measurement units of quantities of dimension one are numbers. In some cases these measurement units are given special names, e.g., radian, steradian, and decibel, or are expressed by quotients such as millimole per mole equal to 10^{-3} and microgram per kilogram equal to 10^{-9} .

Note 4 to entry: For a given quantity, the short term “unit” is often combined with the quantity name, such as “mass unit” or “unit of mass”.

[SOURCE: ISO 80000-1:2009, 3.9, modified – Note 5 omitted.]

3.11

unit name

name of unit

term designating a unit of measurement

Note 1 to entry: Names of derived units are special or compound. Rules for the formation of compound names are given in ISO 80000-1 and IEC 60027-1. For example, the derived unit of resistivity is the ohm metre, the derived unit of speed is the metre per second.

Note 2 to entry: Unit names are given in the various parts of ISO/IEC 80000, and IEC 60027, and also in INTERNATIONAL BUREAU OF WEIGHTS AND MEASURES (BIPM), *The International System of Units (SI)*.

[SOURCE: IEC 60050-112:2010, 112-01-15]

3.12

special unit name

name of a derived unit not comprising other unit names

Note 1 to entry: A special unit name may be restricted to a unit for quantities of a specific kind, for example hertz for frequency and becquerel for activity.

[SOURCE: IEC 60050-112:2010, 112-01-16]

3.13

unit symbol

symbol of a unit

character or combination of characters denoting a unit of measurement

Note 1 to entry: Most unit symbols are one or more letters of the Latin or Greek alphabets and are always printed in roman (upright) type and in the same font as the main text. Products of powers of such symbols are used to form the symbols for compound units according to the laws of algebra. In values of quantities, there is a space between the numerical value and the unit symbol, including the degree Celsius (°C) and the percent (%); exceptions are the units degree (°), minute (′), and second (″) for plane angles.

Note 2 to entry: Internationally adopted unit symbols are given in INTERNATIONAL BUREAU OF WEIGHTS AND MEASURES (BIPM), *The International System of Units (SI)*, in ISO/IEC 80000, and in IEC 60027.

[SOURCE: IEC 60050-112:2010, 112-01-17]

3.14

multiple of a unit

unit of measurement obtained by multiplying a given unit of measurement by a number greater than one

Note 1 to entry: The kilometre (km) is a decimal multiple of the metre (m). The hour (h) is a non-decimal integer multiple of the second (s). The light year is a non-integer multiple of the metre (in the VIM, only integer multiples are considered).

Note 2 to entry: Multiples of a unit are often named by adding a unit prefix to the name of the unit.

[SOURCE: ISO 80000-1:2009, 3.17, modified – Notes 1 and 2 have been modified and Note 3 omitted.]

3.15

submultiple of a unit

measurement unit obtained by dividing a given measurement unit by an integer greater than one

EXAMPLE 1 The millimetre is a decimal sub-multiple of the metre.

EXAMPLE 2 For plane angle, the second is a non-decimal sub-multiple of the minute.

Note 1 to entry: SI prefixes for decimal submultiples of SI base units and SI derived units are given in Table 6 and Table 7.

[SOURCE: ISO 80000-1:2009, 3.18, modified – Reference to Table 6 and Table 7.]

3.16

unit prefix

prefix used together with a unit of measurement to form a multiple or a submultiple of this unit

EXAMPLE kilohm, kΩ.

Note 1 to entry: Lists of prefixes together with their symbols are given in 112-02-03 for SI prefixes and in 112-01-27 for binary prefixes.

Note 2 to entry: A prefix or its symbol is attached to the unit name or symbol, respectively, without any space or other sign.

[SOURCE: IEC 60050-112:2010, 112-01-26]

3.17

base unit

measurement unit that is adopted by convention for a base quantity

Note 1 to entry: In each coherent system of units, there is only one base unit for each base quantity.

EXAMPLE In the SI, the metre is the base unit of length. In the CGS systems, the centimetre is the base unit of length.

Note 2 to entry: A base unit may also serve for a derived quantity of the same quantity dimension.

EXAMPLE The derived quantity rainfall, when defined as areic volume (volume per area), has the metre as a coherent derived unit in the SI.

Note 3 to entry: For number of entities, the number one, symbol 1, can be regarded as a base unit in any system of units. Compare Note 3 in 3.4.

Note 4 to entry: Adapted from ISO/IEC Guide 99:2007, 1.10, in which the example in Note 2 is slightly different. The last sentence in Note 3 has been added.

[SOURCE: ISO 80000-1:2009, 3.10]

3.18

derived unit

measurement unit for a derived quantity

EXAMPLE The metre per second, symbol m/s, and the centimetre per second, symbol cm/s, are derived units of speed in the SI. The kilometre per hour, symbol km/h, is a measurement unit of speed outside the SI but accepted for use with the SI. The knot, equal to one nautical mile per hour, is a measurement unit of speed outside the SI.

[SOURCE: ISO 80000-1:2009, 3.11]

3.19

system of units

set of base units and derived units, together with their multiples and submultiples, defined in accordance with given rules, for a given system of quantities

[SOURCE: ISO 80000-1:2009, 3.13]

3.20

coherent system of units

system of units, based on a given system of quantities, in which the measurement unit for each derived quantity is a coherent derived unit

EXAMPLE Set of coherent SI units and relations between them.

Note 1 to entry: A system of units can be coherent only with respect to a system of quantities and the adopted base units.

Note 2 to entry: For a coherent system of units, numerical value equations have the same form, including numerical factors, as the corresponding quantity equations.

Note 3 to entry: Adapted from ISO/IEC Guide 99:2007, 1.14, in which Note 2 is different.

[SOURCE: ISO 80000-1:2009, 3.14]

4 Relations between quantities, units and their systems

4.1 General

Clause 4 provides background information on the concepts used to identify units and the methodology for combining units.

4.2 The International System of Quantities and the International System of Units

The International System of Quantities contains the set of base quantities and all the derived quantities which are defined by a given set of equations on the basis of the base quantities.

The International System of Quantities and the International System of Units are used for the systematic classification of physical quantities. The International System of Quantities is determined by the definition of a multitude of base quantities (see Table 4). By definition, a base quantity cannot be expressed through other base quantities. However, according to agreed calculation rules, any number of quantities from the International System of Quantities can be derived from the base quantities. Every base quantity in the International System of Quantities is assigned precisely to one SI base unit. The International System of Units is formed by the set of base units and their derived units.

Table 4 – Base quantities and base units in the International System of Units

Base quantity	Base unit		Definition
	Name	Symbol	
length	metre	m	The metre is the length of the path travelled by light in vacuum during a time interval of $1/299\,792\,458$ of a second.
mass	kilogram	kg	The kilogram is the unit of mass; it is equal to the mass of the international prototype of the kilogram.
time, duration	second	s	The second is the duration of 9 192 631 770 periods of the radiation corresponding to the transition between the two hyperfine levels of the ground state of the caesium 133 atom.
electric current	ampere	A	The ampere is that constant current which, if maintained in two straight parallel conductors of infinite length, of negligible circular cross-section, and placed one metre apart in vacuum, would produce between these conductors a force equal to $2 \cdot 10^{-7}$ Newton per metre of length.
thermodynamic temperature	kelvin	K	The kelvin, unit of thermodynamic temperature, is the fraction $1/273,16$ of the thermodynamic temperature of the triple point of water.
amount of substance	mole	mol	The mole is the amount of substance of a system which contains as many elementary entities as there are atoms in 0,012 kilogram of carbon 12; its symbol is "mol". When the mole is used, the elementary entities must be specified and may be atoms, molecules, ions, electrons, other particles, or specified groups of such particles.
luminous intensity	candela	cd	The candela is the luminous intensity, in a given direction, of a source that emits monochromatic radiation of frequency $540 \cdot 10^{12}$ hertz and that has a radiant intensity in that direction of $1/683$ watt per steradian.

NOTE 1 See INTERNATIONAL BUREAU OF WEIGHTS AND MEASURES (BIPM), *The International System of Units (SI)*.

Table 5 – Representation of base quantities in the International System of Units

Name	Symbol for quantity	Symbol for dimension
length	l, x, τ , etc.	L
mass	m	M
time, duration	t	T
electric current	I, i	I
thermodynamic temperature	T	Θ
amount of substance	n	N
luminous intensity	I_v	J

NOTE 2 See INTERNATIONAL BUREAU OF WEIGHTS AND MEASURES (BIPM), *The International System of Units (SI)*.

The dimension of each quantity in the International System of Quantities is represented as a product of powers of the base dimensions assigned to the base quantities. In the International System of Quantities, whose base quantities are length, mass, time, electric current, thermodynamic temperature, amount of substance, and luminous intensity, their dimensions

are characterized by the symbols L, M, T, I, Θ , N and J (see Table 5). Thus every unit in the International System of Units can be represented by the combination of SI base units.

EXAMPLE 1 In the International System of Quantities, LMT^{-2} is the dimension for force, with the canonical formulation: $L^1 M^1 T^{-2} I^0 \Theta^0 N^0 J^0$.

EXAMPLE 2 In the International System of Quantities, ML^{-3} is both the dimension for mass concentration and the dimension for density.

A one-to-one assignment exists between the base quantities of the International System of Quantities and the base units of the International System of Units, and an n-to-m relationship exists between derived quantities of the International System of Quantities and derived SI units of the International System of Units.

4.3 Other systems of quantities and units

In addition to the International System of Quantities other domain-specific systems exist. In these systems the number of base units may differ from the system described in 4.2.

EXAMPLE 1 In the CGS-ESU system (Centimetre Gram Second-ElectroStatic Unit system) the electric constant ϵ_0 (the permittivity of vacuum) is defined as being equal to 1, i.e., of dimension one.

EXAMPLE 2 Quantities can be associated by defining so-called coherent units. Depending on the context, the unit 1/s (reciprocal second) is represented in the International System of Units as Hz (Hertz) or Bq (Becquerel).

NOTE Units that are based on the Anglo-American or Imperial System of units are linked to SI units by a fixed relationship (conversion formula or conversion factor). The corresponding data is made available by NIST and UN ECE, in particular in the following documents:

- *Guide for the Use of the International System of Units (SI)*;
- *Codes for units of measure used in international trade*.

4.4 List of quantities and units

The list of quantities and units and their identifiers together with their relationships is maintained in the IEC Common Data Dictionary (CDD) and is available at:

<http://cdd.iec.ch/2>

The content of the IEC CDD may be updated without changing this document.

For the convenience of the reader informative Annex C lists the quantities, their identifiers, names and associated units as contained in the IEC CDD.

NOTE The data was retrieved on 2016-08.

5 Prefixes and prefix symbols

5.1 General

Prefixes and prefix symbols are specified in ISO 80000-1 and IEC 80000-13. They are repeated here for the convenience of the reader.

5.2 Formation of multiples and factors

Decimal multiples or fractions of a unit may be created by using SI prefixes. Such prefixes may be put in front of the concerned part(s) of a unit to keep the numeric value of the unit in a

² Website checked on 2016-06-10.

convenient size. Adding a prefix corresponds to the multiplication of the unit with the factor related to the prefix.

Table 6 lists names and symbols of the SI prefixes.

In information technology prefixes on the base of 2 are common. Table 7 lists names and symbols of the related prefixes.

Table 6 – Formation of multiples and factors of units to the base of 10

Factor		Prefix	
		Name	Symbol
0,000 000 000 000 000 000 000 001 =	10^{-24}	yocto	y
0,000 000 000 000 000 000 000 001 =	10^{-21}	zepto	z
0,000 000 000 000 000 000 001 =	10^{-18}	atto	a
0,000 000 000 000 000 001 =	10^{-15}	femto	f
0,000 000 000 000 001 =	10^{-12}	pico	p
0,000 000 000 001 =	10^{-9}	nano	n
0,000 001 =	10^{-6}	micro	μ
0,001 =	10^{-3}	milli	m
0,01 =	10^{-2}	centi	c
0,1 =	10^{-1}	deci	d
1 =	10^0	—	—
10 =	10^1	deca	da
100 =	10^2	hecto	h
1 000 =	10^3	kilo	k
1 000 000 =	10^6	mega	M
1 000 000 000 =	10^9	giga	G
1 000 000 000 000 =	10^{12}	tera	T
1 000 000 000 000 000 =	10^{15}	peta	P
1 000 000 000 000 000 000 =	10^{18}	exa	E
1 000 000 000 000 000 000 000 =	10^{21}	zetta	Z
1 000 000 000 000 000 000 000 000 =	10^{24}	yotta	Y

Table 7 – Formation of multiples of units to the base of 2

Factor		Prefix		
		Root	Name	Symbol
1 024 =	2^{10}	kilobinary: $(2^{10})^1$	Kibi	Ki
1 048 576 =	2^{20}	megabinary: $(2^{10})^2$	Mebi	Mi
1 073 741 824 =	2^{30}	gigabinary: $(2^{10})^3$	Gibi	Gi
1 099 511 627 776 =	2^{40}	terabinary: $(2^{10})^4$	Tebi	Ti
1 125 899 906 842 624 =	2^{50}	petabinary: $(2^{10})^5$	Pebi	Pi
1 152 921 504 606 846 976 =	2^{60}	exabinary: $(2^{10})^6$	Exbi	Ei
1 180 591 620 717 411 303 424 =	2^{70}	zettabinary: $(2^{10})^7$	Zebi	Zi
1 208 925 819 614 629 174 706 176 =	2^{80}	yottabinary: $(2^{10})^8$	Yobi	Yi

5.3 Usage of SI prefixes and SI prefix symbols

5.3.1 General

Subclauses 5.3 and 5.4 collect the rules related to the use of prefixes and prefix symbols (see ISO/IEC Guide 99, ISO 80000–1 and *The International System of Units (SI)*).

5.3.2 Combination of SI prefixes, SI prefix symbols, names of units and symbols for units

Prefix names may only be used in conjunction with names of units. Prefix symbols are to be used together with symbols for units. Only SI prefixes and SI prefix symbols may be combined.

A combination of names (of the prefix or unit) with symbols (for prefix or unit) is not permitted.

EXAMPLE 1 “mC” or “millicoulomb”, but neither “mCoulomb”, nor “milliC”.

The prefix name shall be placed in front of the unit name without any intermediate sign.

EXAMPLE 2 “kilograms”, but neither “kilo grams”, nor “kilo-grams”.

The prefix symbol shall be placed in front of the unit symbol without any intermediate sign.

EXAMPLE 3 “kg”, but neither “k g”, nor “k.g”, nor “k · g”.

Prefixes shall not be strung together in sequence.

NOTE The designation of the decimal multiples and parts of the mass unit are formed by appending the prefix name in front of the name “gram” or the prefix symbol in front of the symbol “g”.

EXAMPLE 4 “milligram”, or “mg”, but neither “microkilogram”, nor “µkg”.

Compound prefix names or compound symbols, i.e., prefix names or symbols formed by the juxtaposition of two or more prefix names or symbols, are not permitted. This rule also applies to compound prefix names. Prefix symbols can neither stand alone nor be attached to the

number “1”, the symbol for the unit one. Similarly, prefix names cannot be attached to the name of the unit one, i.e., to the word “one”.

EXAMPLE 5 “nm” (nanometre), but not: “mµm” (millimicrometre).

Prefixes may be used in the numerator and in the denominator. To designate decimal multiples and parts of derived units that consist of a quotient, a prefix may be used in the numerator, in the denominator or in both parts of the quotient.

EXAMPLE 6 “kA/cm”.

5.3.3 Use of power exponentials in conjunction with SI prefixes, SI prefix symbols, names of units or symbols for units.

An exponent always applies to the entire combination of symbols.

EXAMPLE $1 \text{ km}^3 = (10^3 \text{ m})^3 = 10^9 \text{ m}^3$

5.3.4 Restrictions on combining SI prefixes, SI prefix symbols, names of units and symbols for units

No prefixes or prefix symbols may be used for the units contained in Table 8.

Table 8 – Units that are used without prefixes or prefix symbols

degree	°
dioptr	dpt
degree Celsius	°C
kilogram	kg
metric carat	Kt
millimetre of mercury column	mmHg
minute	min
hour	h
day	d
reciprocal second (for rotational speed information)	s ⁻¹
reciprocal minute (for rotational speed information)	min ⁻¹

5.4 Selecting SI prefixes and SI prefix symbols

There is no general rule that specifies whether a prefix should be used and which prefix should be chosen for a unit to express the value of a quantity. The selection of a respective SI prefix may be influenced by

- the necessity to indicate which digits of a numerical value are significant;
- the necessity to have numerical values that can be easily understood;
- conventions valid within a technical domain.

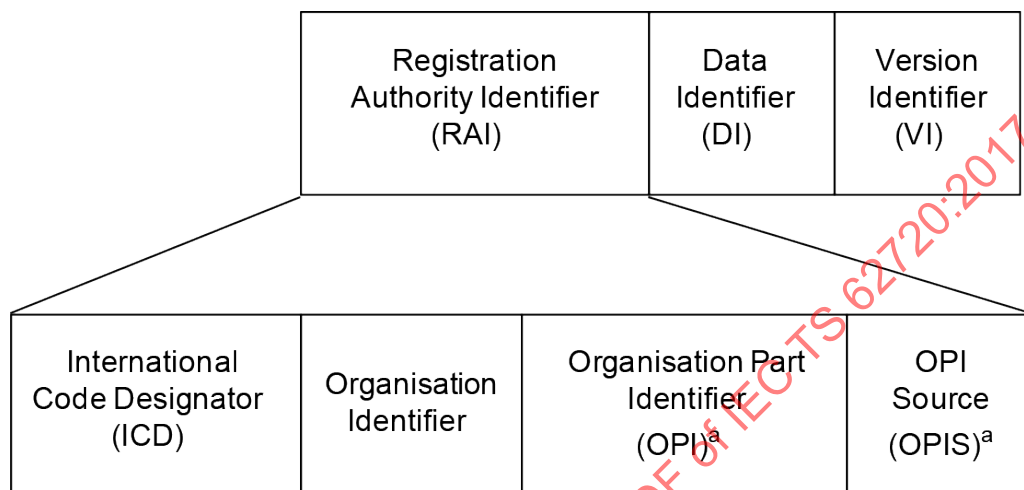
As a matter of principle, however, a unit shall have only one single SI prefix in the numerator and one single SI prefix in the denominator, even if there is a product of units on both sides of the fraction bar.

Combinations of SI prefixes and non-SI units are not allowed.

When specifying units, only the prefixes specified in the respective product standards should be used.

6 Identification of units

The complete identification of a unit complies with the specifications in ISO/IEC 11179 (all parts).



^a Optional, Ref.: ISO/IEC 6523

IEC

Figure 1 – International Registration Data Identifier (IRDI)

NOTE 1 See ISO/IEC 11179-5 for a detailed description of the elements of the International Registration Data Identifier.

This document uses ISO/IEC 11179 (all parts), in particular ISO/IEC 11179-3 and ISO/IEC 11179-5, for the basic identification of units (see Figure 1). Each unit plays a role similar to “Administered Item” defined in ISO/IEC 11179-3.

The units referenced in this document may be registered in a reference dictionary administered by a registration authority based on ISO/IEC 11179 (all parts). ISO/IEC 11179 (all parts) uses the IRDI (International Registration Data Identifier) mechanism to identify administered items as described in ISO/IEC 11179-5.

The identifiers used in this document are called “International Concept Identifier” (ICID). For the purpose of this document, the function of ICID is identical to IRDI. So it may be regarded as an extension of the IRDI.

Each ICID is unique across the boundary of organizations, and it has the following sequence:

ICID::= RAI”#”DI”##”VI

where

- “RAI” is the Registration Authority Identifier,
- “DI” is the Data Identifier, and
- “VI” is the Version Identifier,

as described in ISO/IEC 11179-5.

NOTE 2 In this document, two consecutive pound signs, i.e., “##” are used to separate “DI” and “VI”, while “RAI” and “DI” are separated by one single “#” character. This allows a short hand notation of the identifier eliminating either “RAI” or “VI”, or both if the context for “DI” is clear.

EXAMPLE 0112/2///62720#UAA163##001,

where 0112/2///62720: Registration Authority Identifier (RAI): International Electrotechnical Commission, Geneva, IEC 62720
UAA163: Data Identifier (DI): UAA163
001: Version Identifier (VI): 001

NOTE 3 In the tables within Annex C only the Data Identifier (DI) is listed.

See ISO/IEC 11179-6 for a detailed description of the elements.

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Annex A (informative)

Information about units

There are many units in use that are outside of the SI system. They are either of historical interest or are used in particular domains or countries.

EXAMPLE 1 Barrel for the volume of petroleum, inch as a length measure in the Imperial System.

ISO and IEC discourage the use of such units in scientific and technical discourses. However, it is important to know the relationship between these units and the corresponding SI units. For this reason, non-SI units are listed in this document.

EXAMPLE 2 Year, week, percent, ångström.

This document makes no reference to legal stipulations regarding the units.

At national level, many countries mandate by law the use of specific units.

EXAMPLE 3 Sectors that are subject of legal stipulation concerning units include the business sector, healthcare, public safety, or educational sector.

NOTE The International Organization of Legal Metrology (OIML), founded in 1955, is committed to the international harmonization of this legislation.

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Annex B (normative)

Identifiers for units and quantities

The quantities (see 3.1) and units (see 3.10) and their identifiers together with their relationships are maintained in the IEC CDD and are available at:

<http://cdd.iec.ch/3>

The content of IEC CDD may be updated without changing this document.

For the convenience of the reader Annex C lists the quantities, their identifiers, names and associated units as contained in the IEC CDD.

NOTE The data was retrieved on 2016-08.

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³ Website checked 2016-06-10.

Annex C (informative)

Quantities and assigned units of measure

Annex C lists the quantities (see 3.1) as listed in the IEC CDD and their related units (see 3.10). Table C.1 lists the quantities and Table C.2 lists the referenced units of measure.

The data was retrieved on 2016-08. The units and their identifiers are available in the the IEC CDD at:

<http://cdd.iec.ch/4>

Table C.1 – Codes of quantities (1 of 12)

Item code	Name of quantity	Associated units
UAD000	absorbed dose	UAA163, UAA788, UAB503, UAB504, UAB505
UAD001	absorbed dose rate	UAA164, UAB298, UAB299, UAB300, UAB476, UAB477, UAB478, UAB479, UAB472, UAB473, UAB474, UAB475
UAD002	acceleration	UAA736, UAB397, UAB398, UAB400, UAB042, UAB043, UAB401, UAB044, UAA452, UAB399, UAA521
UAD003	active power	UAA935, UAA910, UAA080, UAA807, UAA583, UAA224, UAA154, UAA289, UAB506, UAB507, UAA306, UAB508, UAB509, UAB510, UAB511, UAB447, UAB177, UAB512, UAB513, UAB514, UAB515, UAB356, UAB445, UAB449, UAB444, UAB448, UAB446, UAB450, UAA430, UAA129, UAA121, UAB184, UAA446, UAA128, UAA120, UAA445, UAA124, UAA116, UAA444, UAA369, UAA592, UAA591, UAA368, UAA534, UAB438, UAA536, UAA537, UAA538, UAB154, UAA535
UAD004	amount of substance	UAA882, UAA640, UAA877, UAA093, UAB523, UAB402
UAD005	amount of substance concentration	UAA891, UAB500, UAA642, UAA883, UAA888
UAD006	angular acceleration	UAB407, UAA969
UAD007	angular cross-section	UAA755, UAB128
UAD008	angular momentum	UAA245, UAA623
UAD009	angular velocity	UAA026, UAA968, UAB231
UAD010	angular wave number	UAA025, UAA967
UAD011	apparent power	UAB530, UAB531, UAB532, UAB533, UAA581, UAA222, UAB534, UAB535, UAB536, UAB537, UAA298
UAD012	areic bit density	UAA195, UAA231, UAA160, UAA293, UAA272, UAA141
UAD013	areic charge density	UAA134, UAA564, UAB101, UAB100, UAA207, UAA060, UAA784
UAD014	areic mass	UAA617, UAB103, UAB389, UAB174, UAA818, UAA486, UAA829, UAB105, UAB104, UAB261, UAB262, UAB390, UAB137, UAB599
UAD015	avogadro constant	UAA896

Table C.1 (2 of 12)

Item code	Name of quantity	Associated units
UAD016	bandwidth distance product	UAA567, UAA210, UAA151, UAA171
UAD017	battery capacity	UAA107, UAA777, UAB053, UAA102, UAB383
UAD018	bit rate	UAA343, UAA291, UAA270, UAA139, UAA586, UAA226, UAA156, UAB342
UAD019	burst factor	UAB462, UAB130
UAD020	byte rate	UAB305, UAB306, UAB307, UAA157
UAD021	capacitance	UAA319, UAB588, UAA930, UAA903, UAA063, UAA787, UAB384, UAA144
UAD022	catalytic activity	UAB196
UAD023	Celsius temperature	UAA033
UAD024	compressibility	UAA269, UAB492, UAA328, UAA709, UAA010, UAB373, UAA016
UAD025	conductivity	UAA934, UAA908, UAA076, UAA579, UAA220, UAA279, UAA907, UAA075, UAA801, UAA278
UAD026	cross-section	UAB297
UAD027	dataset of bits	UAA339, UAB191, UAB190, UAB159, UAB171, UAB156, UAB158, UAB167, UAB152, UAB341
UAD028	dataset of bytes	UAA354, UAB186, UAB187, UAB129, UAB131, UAB185, UAA197, UAA233, UAA162, UAA295, UAA274, UAA143
UAD029	density	UAA740, UAA667, UAA383, UAA870, UAB033, UAA453, UAA546
UAD030	density of states	UAB165, UAB164
UAD031	diffusion constant	UAA752, UAB408, UAA872, UAA281, UAA359, UAB247, UAA548, UAA455
UAD032	digit rate	UAA109, UAA560, UAA204
UAD033	dose equivalent	UAA802, UAA284, UAA971, UAA898
UAD034	dose equivalent rate	UAB304, UAB303, UAB302, UAB301, UAB467, UAB466, UAB465, UAB464, UAB471, UAB470, UAB469, UAB468, UAB442
UAD035	dynamic viscosity	UAA797, UAA265, UAB428, UAB429, UAB433, UAB432, UAB430, UAB431, UAA255, UAA356, UAA072, UAB227, UAA675, UAB435, UAB436, UAB434, UAA674, UAA707, UAA980, UAA708
UAD036	Einstein coefficients	UAB349
UAD037	electric charge	UAA130, UAA929, UAA902, UAA059, UAA782, UAA563, UAA206, UAB212
UAD038	electrical conductance	UAB357, UAA074, UAA800, UAA578, UAA277, UAB200, UAB201
UAD039	electric current	UAB637, UAB638, UAA928, UAA901, UAA057, UAA775, UAA557, UAA202, UAB639, UAB640, UAB641, UAA101, UAB210, UAB211
UAD040	electric current density	UAA559, UAA203, UAA105, UAB052, UAB051
UAD041	electric dipole moment	UAA133

Table C.1 (3 of 12)

Item code	Name of quantity	Associated units
UAD042	electric field strength	UAA079, UAA805, UAA582, UAA223, UAA301, UAB054, UAA302, UAA300
UAD043	electric flux density	UAA134, UAA564, UAB101, UAB100, UAA207, UAA784
UAD044	electric polarization	UAA134, UAA564, UAB101, UAB100, UAA207, UAA784
UAD045	electric resistance	UAB359, UAA055, UAA741, UAA555, UAA198, UAA147, UAA286, UAA017
UAD046	energy content	UAA313, UAB160, UAB195, UAB198, UAA308, UAA584, UAA225, UAA155, UAA290
UAD047	energy density	UAA212, UAA180, UAB146, UAB281, UAB280
UAD048	equilibrium constant based on concentration	UAB334
UAD049	equilibrium constant based on pressure	UAB335
UAD050	exposure rate	UAA132, UAA276
UAD051	failure rate	UAB403
UAD052	Faraday constant	UAB142
UAD053	first radiation constant	UAB350
UAD054	force	UAA070, UAA793, UAA573, UAA213, UAA235, UAB355, UAA422, UAB233, UAA926, UAA696, UAB232, UAB021, UAA632, UAB059, UAB412
UAD055	force constant	UAA236
UAD056	frequency	UAB698, UAA566, UAA209, UAA150, UAA287, UAB699, UAA170
UAD057	gas leak rate	UAA813, UAA531, UAA219, UAA264, UAA326, UAA327, UAA814, UAA530, UAA218, UAA261, UAA703, UAA706, UAA704, UAA705
UAD058	gradient	UAC001, UAC002
UAD059	gravitational constant	UAB491
UAD060	Hall coefficient	UAB143
UAD061	I^2t -value	UAA108
UAD062	illumination	UAA723, UAB255, UAB256
UAD063	impulse	UAA251, UAA615, UAB413, UAB414, UAB416, UAB415
UAD064	incidence	UAA973, UAB027, UAA526, UAA843, UAA099, UAA408, UAA881, UAB372
UAD065	inductance	UAA165, UAB386, UAA932, UAA789, UAA066, UAA905
UAD066	information content	UAB343, UAB344, UAB345
UAD067	ionic strength	UAA885, UAA878, UAB404, UAA879, UAB405

Table C.1 (4 of 12)

Item code	Name of quantity	Associated units
UAD068	irradiance	UAA936, UAB539, UAA081, UAA808, UAA310, UAB224, UAB055, UAB267, UAB266, UAB225, UAB268, UAB265, UAB264, UAB263, UAB270, UAB269
UAD069	Josephson constant	UAB354
UAD070	kinematic viscosity	UAA752, UAB408, UAA872, UAA281, UAA359, UAB247, UAA548, UAA455
UAD071	kinetic energy	UAA172, UAB123, UAB122, UAB124, UAB738, UAB739, UAB740, UAA792, UAA568, UAA211, UAA152, UAA288, UAB125, UAB437, UAA590, UAA589, UAB139, UAA587, UAA429, UAA122, UAB218, UAB217, UAB223, UAB221, UAA114, UAB222, UAA113, UAB216, UAA443, UAB219, UAA364, UAA361, UAA360, UAB220
UAD072	length	UAA726, UAB064, UAB062, UAA637, UAA412, UAA949, UAB063, UAA375, UAA862, UAA090, UAA912, UAA023, UAB066, UAA839, UAB287, UAB068, UAB065, UAB382, UAB377, UAB203, UAB204, UAA372, UAA539, UAA841, UAA840, UAA440, UAB286, UAB067, UAA970, UAB030, UAB069, UAB837
UAD073	linear expansion coefficient	UAA193, UAA100, UAA003, UAA008, UAA011, UAA047, UAB840
UAD074	lineic bit density	UAA340, UAA194, UAA230, UAA159, UAA292, UAA271, UAA140
UAD075	lineic electric charge	UAB337
UAD076	lineic electric current	UAA558, UAA104, UAA781, UAB073, UAB072, UAA778, UAB134
UAD077	lineic force	UAA246, UAA238, UAB364, UAA249, UAA795, UAB106, UAB192, UAA700, UAB454, UAB453
UAD078	lineic logarithmic ratio	UAB480, UAA411, UAA410
UAD079	lineic mass	UAA616, UAB376, UAB070, UAA485, UAB495, UAA828, UAB246, UAB244, UAA670, UAB071, UAB245
UAD080	lineic power	UAB374
UAD081	lineic resistance	UAA743, UAB787, UAA201, UAB496, UAA021, UAA199, UAA019, UAA022
UAD082	lineic torque	UAB463, UAB293, UAB292
UAD083	logarithmic frequency interval	UAA914
UAD084	logarithmic frequency interval to base 10	UAB338
UAD085	logarithmic ratio to base 10	UAB351, UAA409
UAD086	logarithmic ratio to base e	UAA253
UAD087	Lorenz coefficient	UAB172
UAD088	loudness	UAA985
UAD089	loudness level	UAA937
UAD090	luminance	UAA371, UAB260, UAB441, UAB257, UAB259, UAB258

Table C.1 (5 of 12)

Item code	Name of quantity	Associated units
UAD091	luminous efficacy	UAA719
UAD092	luminous exitance	UAA721, UAB254
UAD093	luminous exposure	UAA725, UAA724
UAD094	luminous flux	UAA718
UAD095	luminous intensity	UAA370, UAB365, UAB369, UAB440, UAB439
UAD096	magnetic dipole moment	UAB332, UAB333
UAD097	magnetic moment	UAB336
UAD098	magnetic field strength	UAA558, UAA104, UAA781, UAB073, UAB072, UAA778, UAB134
UAD099	magnetic flux	UAA809, UAB358, UAA317, UAB155, UAB214
UAD100	magnetic flux density	UAA909, UAA077, UAA803, UAB385, UAA285, UAB136, UAB135, UAB213
UAD101	magnetic moment	UAA106
UAD102	magnetic polarization	UAA909, UAA077, UAA803, UAB385, UAA285, UAB136, UAB135, UAB213
UAD103	magnetic vector potential	UAA303, UAA585, UAA318, UAB074
UAD104	mass	UAA594, UAB078, UAA228, UAA988, UAB080, UAB833, UAB079, UAB075, UAA465, UAB076, UAB077, UAA815, UAB834, UAB835, UAB836, UAA082, UAB009, UAB202, UAA978, UAB182, UAB083, UAB180, UAB166, UAA917, UAB234, UAB082, UAB197, UAB181, UAA406, UAA669, UAB387, UAA405, UAB081, UAA523, UAB012, UAB598
UAD105	mass attenuation coefficient	UAA750, UAB193
UAD106	mass density	UAA619, UAA475, UAA482, UAA469, UAA493, UAA604, UAA612, UAA229, UAA997, UAA597, UAA487, UAA827, UAA084, UAA830, UAA085, UAA031, UAA028, UAA029, UAA030, UAA032, UAA048, UAA049, UAA054, UAA027, UAB020, UAA680, UAB018, UAA676, UAA524, UAA925, UAA685, UAA918, UAA981, UAA695, UAA923, UAA924, UAA679
UAD107	mass flow rate	UAA629, UAB003, UAA497, UAA836, UAB367, UAA607, UAA994, UAA478, UAA823, UAA624, UAB000, UAA490, UAA833, UAA601, UAA991, UAA472, UAA819, UAB366, UAB010, UAA984, UAA982, UAA983, UAA979, UAB019, UAA922, UAA920, UAA921, UAA919, UAA692, UAB391, UAA682, UAA689, UAA673, UAB014
UAD108	mass flux density	UAA618
UAD109	mass ratio	UAA610, UAA911, UAA481, UAA822, UAA826, UAA083, UAB388
UAD110	massic activity	UAA562, UAB092, UAA112, UAB091
UAD111	massic electric current	UAB485
UAD112	massic heat capacity	UAA571, UAA176, UAA127, UAB275, UAA366, UAA367, UAA119, UAB141, UAA362, UAA363, UAB455

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Item code	Name of quantity	Associated units
UAD113	massic power	UAA316, UAB147
UAD114	massic torque	UAB490, UAB484
UAD115	mechanical impedance	UAA252, UAB144
UAD116	median information flow (expressed as a binary logarithm)	UAB346
UAD117	median information flow (expressed as a common logarithm)	UAB347
UAD118	median information flow (expressed as a natural logarithm)	UAB348
UAD119	mobility	UAA748
UAD120	molar attenuation coefficient	UAA751
UAD121	molar conductivity	UAA280
UAD122	molar flow rate	UAA895, UAA646, UAA884, UAA641, UAA894, UAA645, UAB451, UAB452
UAD123	molar heat capacity	UAA184
UAD124	molar internal energy	UAA183, UAA572
UAD125	molar mass	UAA628, UAA496, UAA611
UAD126	molar optical rotatory power	UAB162
UAD127	molar volume	UAA771, UAA419, UAA662, UAA398
UAD128	moment of inertia	UAA622, UAA600, UAA627, UAA672, UAA671
UAD129	motor constant	UAA242
UAD130	mass stopping power	UAA181, UAA427
UAD131	nuclear energy	UAA593, UAA227, UAA158, UAA425
UAD132	particle current density	UAA974, UAB157
UAD133	particle fluence	UAA739, UAB361
UAD134	permeability	UAA906, UAA069, UAA168
UAD135	permeance	UAA165, UAB386, UAA932, UAA789, UAA066, UAA905
UAD136	permittivity	UAA931, UAA904, UAA065, UAA146, UAA145, UAA064
UAD137	photon intensity	UAA976
UAD138	photon luminance	UAA977
UAD139	Planck's constant	UAB151

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Item code	Name of quantity	Associated units
UAD140	plane angle	UAA966, UAA897, UAA094, UAA024, UAA096, UAA097, UAA522, UAB206, UAB205
UAD141	polarizability	UAB486
UAD142	pressure	UAA073, UAA796, UAA575, UAA215, UAA153, UAA258, UAA247, UAB375, UAA527, UAA810, UAB183, UAA323, UAA250, UAB087, UAB088, UAB089, UAA424, UAA322, UAB235, UAA876, UAB022, UAA403, UAB243, UAB427, UAB241, UAB240, UAA553, UAB237, UAA463, UAB239, UAB238, UAA554, UAA464, UAA698, UAA701, UAB138, UAB242, UAB236, UAA635, UAA875, UAA402, UAA510, UAB362, UAA321, UAA633, UAA636
UAD143	pressure coefficient	UAA576, UAA216, UAA259, UAA528, UAA811, UAA324, UAA702
UAD144	pressure gradient	UAB421, UAA262, UAB422, UAB060, UAB420, UAA933, UAB423, UAB425, UAB426, UAB424
UAD145	pressure in relation to volume flow rate	UAA263, UAB499, UAB045
UAD146	piece	UAA915
UAD147	quantity of light	UAA722, UAA720
UAD148	radiance	UAA315
UAD149	radiant energy exposure	UAA131, UAA783, UAB057, UAA275, UAB056
UAD150	radiant exposure	UAA179, UAB188, UAB284, UAB283, UAB285, UAB296
UAD151	radiant intensity	UAA314
UAD152	radioactive decay	UAA058, UAC503, UAA561, UAA205, UAB047, UAB589, UAB590, UAA111, UAA138, UAB046, UAA062, UAA786
UAD153	rate of rise of voltage	UAA304, UAA297, UAA806
UAD154	ratio	UAB443, UAA000, UAA015, UAA006, UAA007, UAA004, UAA005
UAD155	reactive power	UAC504, UAC505, UAC506, UAC507, UAA648, UAB199, UAC508, UAC509, UAB023
UAD156	reciprocal energy	UAB324, UAB498, UAA098
UAD157	reciprocal mass	UAC003, UAC004, UAC005, UAC006, UAC007, UAC008
UAD158	variation (due to voltage)	UAB326, UAA009
UAD159	reluctance	UAA169
UAD160	repetency	UAA382, UAA738, UAB058, UAA013, UAB371, UAA014, UAB360, UAA012
UAD161	resistivity	UAA900, UAA056, UAA742, UAA556, UAA200, UAA148, UAA020, UAA018, UAB406, UAB090, UAB215
UAD162	Richardson constant	UAB353

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Item code	Name of quantity	Associated units
UAD163	rotary-translatory motion conversion	UAB482, UAA727
UAD164	scalar magnetic potential	UAA303
UAD165	second moment of area (axial)	UAA737, UAA869, UAC000, UAA545, UAB209
UAD166	second moment of area (polar)	UAA737, UAA869, UAC000
UAD167	second radiation constant	UAB170
UAD168	section modulus	UAA757, UAB114, UAB179, UAB112, UAA533, UAB115, UAA414, UAA649, UAB113, UAA373, UAA385, UAA844, UAA088, UAA873, UAA987, UAA965, UAB011, UAA963, UAB117, UAA516, UAB008, UAB288, UAA511, UAB006, UAA334, UAA329, UAA549, UAA404, UAB291, UAA456, UAA431, UAA916, UAA353, UAB289, UAA344, UAA505, UAB290, UAB118, UAA500, UAB116, UAA957, UAB007, UAA962, UAA952, UAB035, UAA948, UAA939, UAA964
UAD169	Seebeck coefficient	UAB173
UAD170	slowing-down density	UAA975, UAB126, UAB163
UAD171	solid angle	UAA986
UAD172	sound exposure	UAB339
UAD173	specific (internal) energy	UAA570, UAB093, UAA175, UAA174, UAB061, UAB282, UAB150, UAB153, UAB176
UAD174	specific optical rotational ability	UAB161
UAD175	specific volume	UAA766, UAB094, UAB409, UAB380, UAB095, UAB411, UAB410
UAD176	spectral angular cross-section	UAA756, UAB140, UAB169
UAD177	spectral cross-section	UAA745, UAB127, UAB168
UAD178	spectral density of vibrational modes	UAB178
UAD179	spectral radiant energy density in terms of wavelength	UAA177
UAD180	state density as expression of angular frequency)	UAB352
UAD181	Stefan-Boltzmann constant	UAB175
UAD182	surface	UAA744, UAB048, UAB049, UAA532, UAA639, UAA092, UAA413, UAA384, UAA871, UAB050, UAB208, UAA320, UAB207, UAA547, UAB034, UAA454
UAD183	surface-related volume flow rate	UAB325, UAB085, UAA858, UAB086

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Item code	Name of quantity	Associated units
UAD184	surface tension	UAA246, UAA238, UAB364, UAA249, UAA795, UAB547, UAB548, UAB549, UAB551, UAB552, UAB553, UAB554, UAA244, UAB189, UAB106, UAB192, UAA700, UAB454, UAB453
UAD185	surge impedance of the medium	UAA268, UAB102
UAD186	temperature change rate	UAA192, UAA038, UAA036, UAA189, UAA037, UAA191, UAA044, UAA051, UAA045, UAA052, UAA046, UAA053
UAD187	thermal capacitance	UAA569, UAA173, UAB272, UAB274, UAB271, UAB273
UAD188	thermal coefficient of linear expansion	UAA863, UAB461
UAD189	thermal conductance	UAA307
UAD190	thermal conductivity	UAB458, UAB459, UAA309, UAB457, UAA125, UAA117, UAA123, UAA115, UAA365, UAB109, UAB108, UAA588, UAA126, UAA118, UAB107
UAD191	thermal energy	UAA172, UAB123, UAB122, UAB124, UAB738, UAB739, UAB740, UAA792, UAA568, UAA211, UAA152, UAA288, UAB125, UAB437, UAA590, UAA589, UAB139, UAA587, UAA429, UAA122, UAB218, UAB217, UAB223, UAB221, UAA114, UAB222, UAA113, UAB216, UAA443, UAB219, UAA364, UAA361, UAA360, UAB220
UAD192	thermal insulance	UAA746, UAA374, UAA043, UAA040, UAA749
UAD193	thermal resistance	UAA187, UAB248, UAB249, UAB250, UAB251
UAD194	thermal resistivity	UAB488, UAB252, UAB253
UAD195	thermal transmittance	UAB456, UAA311, UAB279, UAB098, UAB278, UAB097, UAB096, UAB277, UAB099, UAB276
UAD196	thermodynamic temperature	UAA185
UAD197	time	UAC696, UAC697, UAA950, UAA913, UAA095, UAA899, UAA647, UAC698, UAA972, UAA880, UAB025, UAB029, UAB026, UAB028, UAA525, UAA842, UAB024, UAA407, UAB226
UAD198	time constant (inductance based)	UAA067, UAA790, UAA068, UAA791, UAA166, UAA167
UAD199	real part of complex frequency	UAA254
UAD200	torque	UAA071, UAA794, UAA574, UAA214, UAA239, UAB084, UAA355, UAA237, UAB419, UAA423, UAA699, UAA697, UAB418, UAB417, UAA927, UAA634
UAD201	torque constant	UAA241, UAB483
UAD202	torsional rigidity	UAB309, UAB308
UAD203	total linear stopping power	UAA178, UAA426, UAB145
UAD204	total mass stopping power	UAB487, UAA428, UAB149

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Item code	Name of quantity	Associated units
UAD205	traffic intensity	UAB340
UAD206	unbalance	UAB368, UAB381, UAB194, UAB132, UAB133
UAD207	variation (due to modified position)	UAB327, UAA002
UAD208	variation (due to output load)	UAD532, UAA001
UAD209	variation of density (due to pressure)	UAA087, UAA832, UAA621, UAB310, UAA599, UAA471, UAA495, UAA606, UAA614, UAA999, UAA477, UAA484, UAA489, UAA678, UAA687
UAD210	variation of dynamic viscosity (due to pressure)	UAA799, UAA267, UAB311, UAA257, UAA358
UAD211	variation of dynamic viscosity (due to temperature)	UAA798, UAA266, UAA256, UAA357
UAD212	variation of electric current (due to pressure)	UAB320, UAA776, UAB494
UAD213	variation of kinematic viscosity (due to pressure)	UAB460, UAB493, UAB314, UAA283
UAD214	variation of kinematic viscosity (due to temperature)	UAA753, UAA282
UAD215	variation of level (due to pressure)	UAB315, UAA731, UAA377, UAA865, UAB032, UAA541, UAA447
UAD216	variation of level (due to temperature)	UAA728, UAA376, UAA864, UAA091, UAB031, UAA540, UAA441
UAD217	variation of mass (due to pressure)	UAB316, UAA817, UAA990, UAA596, UAA468, UAB017, UAA688
UAD218	variation of mass (due to temperature)	UAA595, UAA989, UAA467, UAA816, UAB013, UAA668
UAD219	variation of mass density (due to temperature)	UAA620, UAA476, UAA483, UAA470, UAA494, UAA605, UAA613, UAA998, UAA598, UAA488, UAA831, UAA086, UAA677, UAA686
UAD220	variation of mass flow rate (due to pressure)	UAB321, UAA838, UAB005, UAA631, UAA499, UAA825, UAA996, UAA609, UAA480, UAA835, UAB002, UAA626, UAA492, UAA821, UAA993, UAA603, UAA474, UAB016, UAA694, UAA684, UAA691
UAD221	variation of mass flow rate (due to temperature)	UAA630, UAB004, UAA498, UAA837, UAA608, UAA995, UAA479, UAA824, UAA625, UAB001, UAA491, UAA834, UAA602, UAA992, UAA473, UAA820, UAB015, UAA693, UAA683, UAA690
UAD222	variation of molar mass (due to pressure)	UAB317, UAA887
UAD223	variation of molality (due to temperature)	UAA886

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Item code	Name of quantity	Associated units
UAD224	variation of molar concentration (due to pressure)	UAB318, UAA644, UAA890, UAA893
UAD225	variation of molar concentration (due to temperature)	UAA892, UAA643, UAA889
UAD226	variation of pressure	UAA577, UAA217, UAA325, UAA529, UAA812, UAA260, UAA951
UAD227	variation of temperature (due to pressure)	UAB319, UAA035, UAA188, UAA042
UAD228	variation of temperature (due to temperature)	UAA186, UAA034, UAA041
UAD229	variation of velocity (due to pressure)	UAA734, UAA381, UAB313, UAA735, UAA544, UAA451
UAD230	variation of velocity (due to temperature)	UAC009, UAA380, UAC009, UAA543, UAA450
UAD231	variation of voltage (due to pressure)	UAB312, UAA299, UAA305
UAD232	variation of volume (due to pressure)	UAB323, UAA387, UAA846, UAA759, UAA651, UAB039, UAA460
UAD233	variation of volume (due to temperature)	UAA386, UAA758, UAA845, UAA650, UAB036, UAA457
UAD234	variation of volume flow rate (due to pressure)	UAB322, UAA401, UAA861, UAA774, UAA666, UAA393, UAA852, UAA765, UAA657, UAA397, UAA857, UAA770, UAA661, UAA390, UAA849, UAA762, UAA654
UAD235	variation of volume flow rate (due to temperature)	UAA773, UAA665, UAA400, UAA860, UAA764, UAA656, UAA392, UAA851, UAA769, UAA660, UAA396, UAA856, UAA761, UAA653, UAA389, UAA848
UAD236	velocity	UAA733, UAB392, UAA379, UAA867, UAA868, UAB328, UAA638, UAA378, UAA866, UAA732, UAB378, UAA110, UAB230, UAB229, UAA542, UAB370, UAB393, UAA449, UAA442, UAA448, UAB111, UAB110, UAB394, UAB396, UAB395, UAA713, UAA711, UAA712, UAA710, UAA520, UAA518, UAA519, UAA517, UAA515, UAA513, UAA514, UAA512, UAA338, UAA336, UAA337, UAA335, UAA333, UAA332, UAA330, UAA331, UAA552, UAA550, UAA551, UAA462, UAA459, UAA461, UAA458, UAA435, UAA433, UAA434, UAA432, UAA439, UAA437, UAA438, UAA436, UAA352, UAA350, UAA351, UAA349, UAA348, UAA346, UAA347, UAA345, UAA509, UAA507, UAA508, UAA506, UAA504, UAA502, UAA503, UAA501, UAA961, UAA959, UAA960, UAA958, UAA956, UAA954, UAA955, UAA953, UAB041, UAB038, UAB040, UAB037, UAA947, UAA945, UAA946, UAA944, UAA943, UAA941, UAA942, UAA940, UAA717, UAA715, UAA716, UAA714

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Item code	Name of quantity	Associated units
UAD237	voltage	UAC770, UAB363, UAC771, UAA078, UAA804, UAA580, UAA221, UAC772, UAC773, UAA296
UAD238	volume	UAB114, UAB179, UAB112, UAA533, UAB115, UAA414, UAA649, UAB113, UAA373, UAA385, UAA844, UAA088, UAA873, UAA987, UAA965, UAB011, UAA963, UAB117, UAA516, UAB008, UAB288, UAA511, UAB006, UAA334, UAA329, UAA549, UAA404, UAB291, UAA456, UAA431, UAA916, UAA353, UAB289, UAA344, UAA505, UAB290, UAB118, UAA500, UAB116, UAA957, UAB007, UAA962, UAA952, UAB035, UAA948, UAA939, UAA964
UAD239	volume flow rate	UAA772, UAA420, UAA664, UAA399, UAA859, UAB121, UAA763, UAA416, UAA655, UAA391, UAA850, UAA768, UAA418, UAA659, UAA395, UAA855, UAA760, UAA415, UAA652, UAA388, UAA847, UAA713, UAA711, UAA712, UAA710, UAA520, UAA518, UAA519, UAA517, UAA515, UAA513, UAA514, UAA512, UAA338, UAA336, UAA337, UAA335, UAA333, UAA332, UAA330, UAA331, UAA552, UAA550, UAA551, UAA462, UAA459, UAA461, UAA458, UAA435, UAA433, UAA434, UAA432, UAA439, UAA437, UAA438, UAA436, UAA352, UAA350, UAA351, UAA349, UAA348, UAA346, UAA347, UAA345, UAA509, UAA507, UAA508, UAA506, UAA504, UAA502, UAA503, UAA501, UAA961, UAA959, UAA960, UAA958, UAA956, UAA954, UAA955, UAA953, UAB041, UAB038, UAB040, UAB037, UAA947, UAA945, UAA946, UAA944, UAA943, UAA941, UAA942, UAA940, UAA717, UAA715, UAA716, UAA714
UAD240	volume fraction	UAA767, UAA658, UAA874, UAA417, UAA853, UAA089, UAA394, UAA854
UAD241	volumic bit density	UAA342, UAA196, UAA232, UAA161, UAA294, UAA273, UAA142
UAD242	volumic electric charge	UAA135, UAA565, UAB120, UAA208, UAB119, UAA149, UAA785, UAA061
UAD243	volumic output power	UAA312
UAD244	water vapour permeability	UAB481, UAB294, UAB295
UAD290	mass stopping power	UAB148
UAD299	picture element	UAA938
UAD308	Rankine temperature	UAD721, UAA050
UAD363	floating point calculation capability	UAD544, UAB591, UAB592, UAB593, UAB594
UAD364	Mach number	UAB595
UAD365	earthquake magnitude	UAB596
UAD366	sun protection factor of a product	UAB597
UAD367	catalytic activity	UAB600
UAD368	catalytic activity concentration	UAB601, UAB602
UAD370	amount of biologically active substance	UAB603
UAD371	spin quantum number	UAB604
UAD372	absolute typographic measurement	UAB605, UAB606, UAB379

Table C.2 – Codes of units (1 of 51)

Item code	Unit name	Unit symbol
UAA000	percent	%
UAA001	percent per ohm	%/ Ω
UAA002	percent per degree	%/ $^{\circ}$
UAA003	percent per degree Celsius	%/ $^{\circ}\text{C}$
UAA004	percent per ten thousand	%/10000
UAA005	percent per one hundred thousand	%/100000
UAA006	percent per hundred	%/100
UAA007	percent per thousand	%/1000
UAA008	percent per kelvin	%/K
UAA009	percent per volt	%/V
UAA010	percent per bar	%/bar
UAA011	percent per decakelvin	%/daK
UAA012	percent per inch	%/in
UAA013	percent per metre	%/m
UAA014	percent per millimetre	%/mm
UAA015	part per thousand	‰
UAA016	per mille per psi	‰/psi
UAA017	ohm	Ω
UAA018	ohm kilometre	$\Omega \cdot \text{km}$
UAA019	ohm per kilometre	Ω/km
UAA020	ohm metre	$\Omega \cdot \text{m}$
UAA021	ohm per metre	Ω/m
UAA022	ohm per mile	Ω/mi
UAA023	ångström	Å
UAA024	degree	$^{\circ}$
UAA025	degree per metre	$^{\circ}/\text{m}$
UAA026	degree per second	$^{\circ}/\text{s}$
UAA027	degree API	$^{\circ}\text{API}$
UAA028	degree Baume (origin scale)	$^{\circ}\text{Bé}$
UAA029	degree Baume (US heavy)	$^{\circ}\text{Bé (US heavy)}$
UAA030	degree Baume (US light)	$^{\circ}\text{Bé (US light)}$
UAA031	degree Balling	$^{\circ}\text{Balling}$
UAA032	degree Brix	$^{\circ}\text{Bx}$
UAA033	degree Celsius	$^{\circ}\text{C}$
UAA034	degree Celsius per kelvin	$^{\circ}\text{C}/\text{K}$
UAA035	degree Celsius per bar	$^{\circ}\text{C}/\text{bar}$
UAA036	degree Celsius per hour	$^{\circ}\text{C}/\text{h}$

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Item code	Unit name	Unit symbol
UAA037	degree Celsius per minute	°C/min
UAA038	degree Celsius per second	°C/s
UAA039	degree Fahrenheit	°F
UAA040	degree Fahrenheit hour foot squared per British thermal unit (thermochemical)	°F·h·ft ² /Btuth
UAA041	degree Fahrenheit per kelvin	°F/K
UAA042	degree Fahrenheit per bar	°F/bar
UAA043	degree Fahrenheit hour foot squared per British thermal unit (international table)	°F·h·ft ² /BtuIT
UAA044	degree Fahrenheit per hour	°F/h
UAA045	degree Fahrenheit per minute	°F/min
UAA046	degree Fahrenheit per second	°F/s
UAA047	reciprocal degree Fahrenheit	1/°F
UAA048	degree Oechsle	°Oechsle
UAA049	degree Plato	°P
UAA050	degree Rankine	°R
UAA051	degree Rankine per hour	°R/h
UAA052	degree Rankine per minute	°R/min
UAA053	degree Rankine per second	°R/s
UAA054	degree Twaddell	°Tw
UAA055	microohm	μΩ
UAA056	microohm metre	μΩ·m
UAA057	microampere	μA
UAA058	microbecquerel	μBq
UAA059	microcoulomb	μC
UAA060	microcoulomb per metre squared	μC/m ²
UAA061	microcoulomb per metre cubed	μC/m ³
UAA062	microcurie	μCi
UAA063	microfarad	μF
UAA064	microfarad per kilometre	μF/km
UAA065	microfarad per metre	μF/m
UAA066	microhenry	μH
UAA067	microhenry per ohm	μH/Ω
UAA068	microhenry per kilohm	μH/kΩ
UAA069	microhenry per metre	μH/m
UAA070	micronewton	μN
UAA071	micronewton metre	μN·m
UAA072	micropoise	μP
UAA073	micropascal	μPa

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Item code	Unit name	Unit symbol
UAA074	microsiemens	μS
UAA075	microsiemens per centimetre	$\mu\text{S}/\text{cm}$
UAA076	microsiemens per metre	$\mu\text{S}/\text{m}$
UAA077	microtesla	μT
UAA078	microvolt	μV
UAA079	microvolt per metre	$\mu\text{V}/\text{m}$
UAA080	microwatt	μW
UAA081	microwatt per metre squared	$\mu\text{W}/\text{m}^2$
UAA082	microgram	μg
UAA083	microgram per kilogram	$\mu\text{g}/\text{kg}$
UAA084	microgram per litre	$\mu\text{g}/\text{l}$
UAA085	microgram per metre cubed	$\mu\text{g}/\text{m}^3$
UAA086	microgram per metre cubed kelvin	$(\mu\text{g}/\text{m}^3)/\text{K}$
UAA087	microgram per metre cubed bar	$(\mu\text{g}/\text{m}^3)/\text{bar}$
UAA088	microlitre	μl
UAA089	microlitre per litre	$\mu\text{l}/\text{l}$
UAA090	micrometre	μm
UAA091	micrometre per kelvin	$\mu\text{m}/\text{K}$
UAA092	micrometre squared	μm^2
UAA093	micromole	μmol
UAA094	microradian	μrad
UAA095	microsecond	μs
UAA096	second (angle)	"
UAA097	minute (angle)	'
UAA098	reciprocal kilovolt ampere hour	$1/\text{kVAh}$
UAA099	reciprocal week	$1/\text{wk}$
UAA100	reciprocal megakelvin or megakelvin to the power minus one	$10^{-6}/\text{K}$
UAA101	ampere	A
UAA102	ampere hour	$\text{A}\cdot\text{h}$
UAA104	ampere per metre	A/m
UAA105	ampere per metre squared	A/m^2
UAA106	ampere metre squared	$\text{A}\cdot\text{m}^2$
UAA107	ampere second	$\text{A}\cdot\text{s}$
UAA108	ampere squared second	$\text{A}^2\cdot\text{s}$
UAA109	baud	Bd
UAA110	Beaufort	Bft
UAA111	becquerel	Bq

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Item code	Unit name	Unit symbol
UAA112	becquerel per kilogram	Bq/kg
UAA113	British thermal unit (mean)	Btu
UAA114	British thermal unit (international table)	BtuIT
UAA115	British thermal unit (international table) foot per hour foot squared degree Fahrenheit	BtuIT·ft/(h·ft ² ·°F)
UAA116	British thermal unit (international table) per hour	BtuIT/h
UAA117	British thermal unit (international table) inch per hour foot squared degree Fahrenheit	BtuIT·in/(h·ft ² ·°F)
UAA118	British thermal unit (international table) inch per second foot squared degree Fahrenheit	BtuIT·in/(s·ft ² ·°F)
UAA119	British thermal unit (international table) per pound degree Fahrenheit	(BtuIT/°F)/lb
UAA120	British thermal unit (international table) per minute	BtuIT/min
UAA121	British thermal unit (international table) per second	BtuIT/s
UAA122	British thermal unit (thermochemical)	Btuth
UAA123	British thermal unit (thermochemical) foot per hour foot squared degree Fahrenheit	Btuth·ft/(h·ft ² ·°F)
UAA124	British thermal unit (thermochemical) per hour	Btuth/h
UAA125	British thermal unit (thermochemical) inch per hour square foot degree Fahrenheit	Btuth·in/(h·ft ² ·°F)
UAA126	British thermal unit (thermochemical) inch per second foot squared degree Fahrenheit	Btuth·in/(s·ft ² ·°F)
UAA127	British thermal unit (thermochemical) per pound degree Fahrenheit	(Btuth/°F)/lb
UAA128	British thermal unit (thermochemical) per minute	Btuth/min
UAA129	British thermal unit (thermochemical) per second	Btuth/s
UAA130	coulomb	C
UAA131	coulomb per kilogram	C/kg
UAA132	coulomb per kilogram second	C/(kg·s)
UAA133	coulomb metre	C·m
UAA134	coulomb per metre squared	C/m ²
UAA135	coulomb per metre cubed	C/m ³
UAA138	curie	Ci
UAA139	exabit per second	Ebit/s
UAA140	exbibit per metre	Eibit/m
UAA141	exbibit per metre squared	Eibit/m ²
UAA142	exbibit per metre cubed	Eibit/m ³
UAA143	exbibyte	Eibyte
UAA144	farad	F
UAA145	farad per kilometre	F/km
UAA146	farad per metre	F/m

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Item code	Unit name	Unit symbol
UAA147	gigaohm	GΩ
UAA148	gigaohm metre	GΩ·m
UAA149	gigacoulomb per metre cubed	GC/m ³
UAA150	gigahertz	GHz
UAA151	gigahertz metre	GHz·m
UAA152	gigajoule	GJ
UAA153	gigapascal	GPa
UAA154	gigawatt	GW
UAA155	gigawatt hour	GW·h
UAA156	gigabit per second	Gbit/s
UAA157	gigabyte per second	Gbyte/s
UAA158	gigaelectronvolt	GeV
UAA159	gibibit per metre	Gibit/m
UAA160	gibibit per metre squared	Gibit/m ²
UAA161	gibibit per metre cubed	Gibit/m ³
UAA162	gibibyte	Gibyte
UAA163	gray	Gy
UAA164	gray per second	Gy/s
UAA165	henry	H
UAA166	henry per ohm	H/Ω
UAA167	henry per kilohm	H/kΩ
UAA168	henry per metre	H/m
UAA169	reciprocal henry	1/H
UAA170	hertz	Hz
UAA171	hertz metre	Hz·m
UAA172	joule	J
UAA173	joule per kelvin	J/K
UAA174	joule per gram	J/g
UAA175	joule per kilogram	J/kg
UAA176	joule per kilogram kelvin	(J/K)/kg
UAA177	joule per metre to the fourth power	J/m ⁴
UAA178	joule per metre	J/m
UAA179	joule per metre squared	J/m ²
UAA180	joule per metre cubed	J/m ³
UAA181	joule metre squared	J·m ²
UAA183	joule per mole	J/mol
UAA184	joule per mole kelvin	J/(mol·K)
UAA185	kelvin	K

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Item code	Unit name	Unit symbol
UAA186	kelvin per kelvin	K/K
UAA187	kelvin per watt	K/W
UAA188	kelvin per bar	K/bar
UAA189	kelvin per hour	K/h
UAA191	kelvin per minute	K/min
UAA192	kelvin per second	K/s
UAA193	reciprocal kelvin or kelvin to the power minus one	1/K
UAA194	kibibit per metre	Kibit/m
UAA195	kibibit per metre squared	Kibit/m ²
UAA196	kibibit per metre cubed	Kibit/m ³
UAA197	kibibyte	Kibyte
UAA198	megaohm	MΩ
UAA199	megaohm per kilometre	MΩ/km
UAA200	megaohm metre	MΩ·m
UAA201	megaohm per metre	MΩ/m
UAA202	megaampere	MA
UAA203	megaampere per metre squared	MA/m ²
UAA204	megabaud	MBd
UAA205	megabecquerel	MBq
UAA206	megacoulomb	MC
UAA207	megacoulomb per metre squared	MC/m ²
UAA208	megacoulomb per metre cubed	MC/m ³
UAA209	megahertz	MHz
UAA210	megahertz metre	MHz·m
UAA211	megajoule	MJ
UAA212	megajoule per metre cubed	MJ/m ³
UAA213	meganewton	MN
UAA214	meganewton metre	MN·m
UAA215	megapascal	MPa
UAA216	megapascal per kelvin	MPa/K
UAA217	megapascal per bar	MPa/bar
UAA218	megapascal litre per second	MPa·l/s
UAA219	megapascal metre cubed per second	MPa·m ³ /s
UAA220	megasiemens per metre	MS/m
UAA221	megavolt	MV
UAA222	megavolt ampere	MV·A
UAA223	megavolt per metre	MV/m
UAA224	megawatt	MW

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Item code	Unit name	Unit symbol
UAA225	megawatt hour	MW·h
UAA226	megabit per second	Mbit/s
UAA227	megaelectronvolt	MeV
UAA228	megagram	Mg
UAA229	megagram per metre cubed	Mg/m ³
UAA230	mebibit per metre	Mibit/m
UAA231	mebibit per metre squared	Mibit/m ²
UAA232	mebibit per metre cubed	Mibit/m ³
UAA233	mebibyte	Mibyte
UAA235	newton	N
UAA236	newton per ampere	N/A
UAA237	newton centimetre	N·cm
UAA238	newton per centimetre	N/cm
UAA239	newton metre	N·m
UAA241	newton metre per ampere	N·m/A
UAA242	newton metre watt to the power minus 0,5	N·m/√W
UAA244	newton metre per square metre	N·m/m ²
UAA245	newton metre second	N·m·s
UAA246	newton per metre	N/m
UAA247	newton per metre squared	N/m ²
UAA249	newton per millimetre	N/mm
UAA250	newton per millimetre squared	N/mm ²
UAA251	newton second	N·s
UAA252	newton second per metre	N·s/m
UAA253	neper	Np
UAA254	neper per second	Np/s
UAA255	poise	P
UAA256	poise per kelvin	P/K
UAA257	poise per bar	P/bar
UAA258	pascal	Pa
UAA259	pascal per kelvin	Pa/K
UAA260	pascal per bar	Pa/bar
UAA261	pascal litre per second	Pa·l/s
UAA262	pascal per metre	Pa/m
UAA263	pascal second per metre cubed	Pa/(m ³ /s)
UAA264	pascal metre cubed per second	Pa·m ³ /s
UAA265	pascal second	Pa·s
UAA266	pascal second per kelvin	Pa·s/K

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Item code	Unit name	Unit symbol
UAA267	pascal second per bar	Pa·s/bar
UAA268	pascal second per metre	Pa·s/m
UAA269	reciprocal pascal or pascal to the power minus one	1/Pa
UAA270	petabit per second	Pbit/s
UAA271	pebibit per metre	Pibit/m
UAA272	pebibit per metre squared	Pibit/m ²
UAA273	pebibit per metre cubed	Pibit/m ³
UAA274	pebibyte	Pibyte
UAA275	roentgen	R
UAA276	roentgen per second	R/s
UAA277	siemens	S
UAA278	siemens per centimetre	S/cm
UAA279	siemens per metre	S/m
UAA280	siemens metre squared per mole	S·m ² /mol
UAA281	stokes	St
UAA282	stokes per kelvin	St/K
UAA283	stokes per bar	St/bar
UAA284	sievert	Sv
UAA285	tesla	T
UAA286	teraohm	TΩ
UAA287	terahertz	THz
UAA288	terajoule	TJ
UAA289	terawatt	TW
UAA290	terawatt hour	TW·h
UAA291	terabit per second	Tbit/s
UAA292	tebibit per metre	Tibit/m
UAA293	tebibit per metre squared	Tibit/m ²
UAA294	tebibit per metre cubed	Tibit/m ³
UAA295	tebibyte	Tibyte
UAA296	volt	V
UAA297	volt per microsecond	V/μs
UAA298	volt ampere	V·A
UAA299	volt per bar	V/bar
UAA300	volt per inch	V/in
UAA301	volt per metre	V/m
UAA302	volt per millimetre	V/mm
UAA303	volt second per metre	V·s/m
UAA304	volt per second	V/s

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Item code	Unit name	Unit symbol
UAA305	volt squared inch per pound-force	V/psi
UAA306	watt	W
UAA307	watt per kelvin	W/K
UAA308	watt hour	W·h
UAA309	watt per metre kelvin	W/(m·K)
UAA310	watt per metre squared	W/m ²
UAA311	watt per metre squared kelvin	W/(m ² ·K)
UAA312	watt per metre cubed	W/m ³
UAA313	watt second	W·s
UAA314	watt per steradian	W/sr
UAA315	watt per steradian metre squared	W/(sr·m ²)
UAA316	watt per kilogram	W/kg
UAA317	weber	Wb
UAA318	weber per metre	Wb/m
UAA319	attofarad	aF
UAA320	acre (based on US survey foot)	acre
UAA321	technical atmosphere	at
UAA322	standard atmosphere	atm
UAA323	bar	bar
UAA324	bar per kelvin	bar/K
UAA325	bar per bar	bar/bar
UAA326	bar litre per second	bar·l/s
UAA327	millibar metre cubed per second	mbar·m ³ /s
UAA328	reciprocal bar	1/bar
UAA329	barrel (UK petroleum)	bbl (UK liq.)
UAA330	barrel (UK petroleum) per minute	bbl (UK liq.)/min
UAA331	barrel (UK petroleum) per day	bbl (UK liq.)/d
UAA332	barrel (UK petroleum) per hour	bbl (UK liq.)/h
UAA333	barrel (UK petroleum) per second	bbl (UK liq.)/s
UAA334	barrel (US)	bbl (US)
UAA335	barrel (US) per day	bbl (US)/d
UAA336	barrel (US petroleum) per hour	bbl (US)/h
UAA337	barrel (US) per minute	bbl (US)/min
UAA338	barrel (US petroleum) per second	bbl (US)/s
UAA339	bit	bit
UAA340	bit per metre	bit/m
UAA341	bit per metre squared	bit/m ²
UAA342	bit per metre cubed	bit/m ³
UAA343	bit per second	bit/s

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Item code	Unit name	Unit symbol
UAA344	bushel (UK)	bu (UK)
UAA345	bushel (UK) per day	bu (UK)/d
UAA346	bushel (UK) per hour	bu (UK)/h
UAA347	bushel (UK) per minute	bu (UK)/min
UAA348	bushel (UK) per second	bu (UK)/s
UAA349	bushel (US dry) per day	bu (US dry)/d
UAA350	bushel (US dry) per hour	bu (US dry)/h
UAA351	bushel (US dry) per minute	bu (US dry)/min
UAA352	bushel (US dry) per second	bu (US dry)/s
UAA353	bushel (US)	bu (US)
UAA354	byte	byte
UAA355	centinewton metre	cN·m
UAA356	centipoise	cP
UAA357	centipoise per kelvin	cP/K
UAA358	centipoise per bar	cP/bar
UAA359	centistokes	cST
UAA360	calorie (mean)	cal
UAA361	calorie (international table)	calIT
UAA362	calorie (international table) per gram degree Celsius	(calIT/°C)/g
UAA363	calorie (international table) per gram kelvin	(calIT/K)/g
UAA364	calorie (thermochemical)	calth
UAA365	calorie (thermochemical) per centimetre second degree Celsius	calth/(cm·s·°C)
UAA366	calorie (thermochemical) per gram degree Celsius	(calth/°C)/g
UAA367	calorie (thermochemical) per gram kelvin	(calth/K)/g
UAA368	calorie (thermochemical) per minute	calth/min
UAA369	calorie (thermochemical) per second	calth/s
UAA370	candela	cd
UAA371	candela per metre squared	cd/m ²
UAA372	chain (based on U.S. survey foot)	ch (US survey)
UAA373	centilitre	cl
UAA374	clo	clo
UAA375	centimetre	cm
UAA376	centimetre per kelvin	cm/K
UAA377	centimetre per bar	cm/bar
UAA378	centimetre per hour	cm/h
UAA379	centimetre per second	cm/s
UAA380	centimetre per second kelvin	(cm/s)/K
UAA381	centimetre per second bar	(cm/s)/bar

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Item code	Unit name	Unit symbol
UAA382	reciprocal centimetre	1/cm
UAA383	reciprocal centimetre cubed	1/cm ³
UAA384	centimetre squared	cm ²
UAA385	centimetre cubed	cm ³
UAA386	centimetre cubed per kelvin	cm ³ /K
UAA387	centimetre cubed per bar	cm ³ /bar
UAA388	centimetre cubed per day	cm ³ /d
UAA389	centimetre cubed per day kelvin	(cm ³ /d)/K
UAA390	centimetre cubed per day bar	(cm ³ /d)/bar
UAA391	centimetre cubed per hour	cm ³ /h
UAA392	centimetre cubed per hour kelvin	(cm ³ /h)/K
UAA393	centimetre cubed per hour bar	(cm ³ /h)/bar
UAA394	centimetre cubed per metre cubed	cm ³ /m ³
UAA395	centimetre cubed per minute	cm ³ /min
UAA396	centimetre cubed per minute kelvin	(cm ³ /min)/K
UAA397	centimetre cubed per minute bar	(cm ³ /min)/bar
UAA398	centimetre cubed per mole	cm ³ /mol
UAA399	centimetre cubed per second	cm ³ /s
UAA400	centimetre cubed per second kelvin	(cm ³ /s)/K
UAA401	centimetre cubed per second bar	(cm ³ /s)/bar
UAA402	conventional centimetre of water	cmH ₂ O
UAA403	centimetre of mercury	cmHg
UAA404	cup (US)	cup (US)
UAA405	hundredweight (UK)	cwt.l (UK)
UAA406	hundredweight (US)	cwt.sh (US)
UAA407	day	d
UAA408	reciprocal day	1/d
UAA409	decibel	dB
UAA410	decibel per kilometre	dB/km
UAA411	decibel per metre	dB/m
UAA412	decimetre	dm
UAA413	decimetre squared	dm ²
UAA414	decimetre cubed	dm ³
UAA415	decimetre cubed per day	dm ³ /d
UAA416	decimetre cubed per hour	dm ³ /h
UAA417	decimetre cubed per metre cubed	dm ³ /m ³
UAA418	decimetre cubed per minute	dm ³ /min
UAA419	decimetre cubed per mole	dm ³ /mol

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Item code	Unit name	Unit symbol
UAA420	decimetre cubed per second	dm ³ /s
UAA421	dots per inch	dpi
UAA422	dyne	dyn
UAA423	dyne centimetre	dyn·cm
UAA424	dyne per square centimetre	dyn/cm ²
UAA425	electronvolt	eV
UAA426	electronvolt per metre	eV/m
UAA427	electronvolt metre squared	eV·m ²
UAA428	electronvolt metre squared per kilogram	eV·m ² /kg
UAA429	erg	erg
UAA430	erg per second	erg/s
UAA431	fluid ounce (UK)	fl oz (UK)
UAA432	ounce (UK fluid) per day	fl oz (UK)/d
UAA433	ounce (UK fluid) per hour	fl oz (UK)/h
UAA434	ounce (UK fluid) per minute	fl oz (UK)/min
UAA435	ounce (UK fluid) per second	fl oz (UK)/s
UAA436	ounce (US fluid) per day	fl oz (US)/d
UAA437	ounce (US fluid) per hour	fl oz (US)/h
UAA438	ounce (US fluid) per minute	fl oz (US)/min
UAA439	ounce (US fluid) per second	fl oz (US)/s
UAA440	foot	ft
UAA441	foot per degree Fahrenheit	ft/°F
UAA442	foot per hour	ft/h
UAA443	foot pound-force	ft lbf
UAA444	foot pound-force per hour	ft·lbf/h
UAA445	foot pound-force per minute	ft·lbf/min
UAA446	foot pound-force per second	ft·lbf/s
UAA447	foot per psi	ft/psi
UAA448	foot per minute	ft/min
UAA449	foot per second	ft/s
UAA450	foot per second degree Fahrenheit	(ft/s)/°F
UAA451	foot per second psi	(ft/s)/psi
UAA452	foot per second squared	ft/s ²
UAA453	reciprocal cubic foot	1/ft ³
UAA454	square foot	ft ²
UAA455	square foot per second	ft ² /s
UAA456	cubic foot	ft ³
UAA457	cubic foot per degree Fahrenheit	ft ³ /°F

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Item code	Unit name	Unit symbol
UAA458	cubic foot per day	ft ³ /d
UAA459	cubic foot per hour	ft ³ /h
UAA460	cubic foot per psi	ft ³ /psi
UAA461	cubic foot per minute	ft ³ /min
UAA462	cubic foot per second	ft ³ /s
UAA463	foot of water	ftH ₂ O
UAA464	foot of mercury	ftHg
UAA465	gram	g
UAA467	gram per kelvin	g/K
UAA468	gram per bar	g/bar
UAA469	gram per centimetre cubed	g/cm ³
UAA470	gram per centimetre cubed kelvin	(g/cm ³)/K
UAA471	gram per centimetre cubed bar	(g/cm ³)/bar
UAA472	gram per day	g/d
UAA473	gram per day kelvin	(g/d)/K
UAA474	gram per day bar	(g/d)/bar
UAA475	gram per decimetre cubed	g/dm ³
UAA476	gram per decimetre cubed kelvin	(g/dm ³)/K
UAA477	gram per decimetre cubed bar	(g/dm ³)/bar
UAA478	gram per hour	g/h
UAA479	gram per hour kelvin	(g/h)/K
UAA480	gram per hour bar	(g/h)/bar
UAA481	gram per kilogram	g/kg
UAA482	gram per litre	g/l
UAA483	gram per litre kelvin	(g/l)/K
UAA484	gram per litre bar	(g/l)/bar
UAA485	gram per metre	g/m
UAA486	gram per metre squared	g/m ²
UAA487	gram per metre cubed	g/m ³
UAA488	gram per metre cubed kelvin	(g/m ³)/K
UAA489	gram per metre cubed bar	(g/m ³)/bar
UAA490	gram per minute	g/min
UAA491	gram per minute kelvin	(g/min)/K
UAA492	gram per minute bar	(g/min)/bar
UAA493	gram per millilitre	g/ml
UAA494	gram per millilitre kelvin	(g/ml)/K
UAA495	gram per millilitre bar	(g/ml)/bar
UAA496	gram per mole	g/mol

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Item code	Unit name	Unit symbol
UAA497	gram per second	g/s
UAA498	gram per second kelvin	(g/s)/K
UAA499	gram per second bar	(g/s)/bar
UAA500	gallon (UK)	gal (UK)
UAA501	gallon (UK) per day	gal (UK)/d
UAA502	gallon (UK) per hour	gal (UK)/h
UAA503	gallon (UK) per minute	gal (UK)/min
UAA504	gallon (UK) per second	gal (UK)/s
UAA505	gallon (US)	gal (US liq.)
UAA506	gallon (US) per day	gal (US liq.)/d
UAA507	gallon (US) per hour	gal (US liq.)/h
UAA508	gallon (US) per minute	gal (US liq.)/min
UAA509	gallon (US liquid) per second	gal (US liq.)/s
UAA510	gram-force per square centimetre	gf/cm ²
UAA511	gill (UK)	gi (UK)
UAA512	gill (UK) per day	gi (UK)/d
UAA513	gill (UK) per hour	gi (UK)/h
UAA514	gill (UK) per minute	gi (UK)/min
UAA515	gill (UK) per second	gi (UK)/s
UAA516	gill (US)	gi (US liq.)
UAA517	gill (US) per day	gi (US)/d
UAA518	gill (US) per hour	gi (US)/h
UAA519	gill (US) per minute	gi (US)/min
UAA520	gill (US) per second	gi (US)/s
UAA521	standard acceleration of free fall	gn
UAA522	gon	gon
UAA523	grain	gr
UAA524	grain per gallon (US)	gr/gal (US)
UAA525	hour	h
UAA526	reciprocal hour	1/h
UAA527	hectopascal	hPa
UAA528	hectopascal per kelvin	hPa/K
UAA529	hectopascal per bar	hPa/bar
UAA530	hectopascal litre per second	hPa·l/s
UAA531	hectopascal metre cubed per second	hPa·m ³ /s
UAA532	hectare	ha
UAA533	hectolitre	hl
UAA534	horsepower (metric)	metric hp

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Item code	Unit name	Unit symbol
UAA535	horsepower (boiler)	boiler hp
UAA536	horsepower (brake)	bhp
UAA537	horsepower (electric)	electric hp
UAA538	horsepower (water)	water hp
UAA539	inch	in
UAA540	inch per degree Fahrenheit	in/°F
UAA541	inch per psi	in/psi
UAA542	inch per second	in/s
UAA543	inch per second degree Fahrenheit	(in/s)/°F
UAA544	inch per second psi	(in/s)/psi
UAA545	inch to the fourth power	in ⁴
UAA546	reciprocal cubic inch	1/in ³
UAA547	square inch	in ²
UAA548	square inch per second	in ² /s
UAA549	cubic inch	in ³
UAA550	cubic inch per hour	in ³ /h
UAA551	cubic inch per minute	in ³ /min
UAA552	cubic inch per second	in ³ /s
UAA553	inch of water	inH ₂ O
UAA554	inch of mercury	inHg
UAA555	kiloohm	kΩ
UAA556	kiloohm metre	kΩ·m
UAA557	kiloampere	kA
UAA558	kiloampere per metre	kA/m
UAA559	kiloampere per metre squared	kA/m ²
UAA560	kilobaud	kBd
UAA561	kilobecquerel	kBq
UAA562	kilobecquerel per kilogram	kBq/kg
UAA563	kilocoulomb	kC
UAA564	kilocoulomb per metre squared	kC/m ²
UAA565	kilocoulomb per metre cubed	kC/m ³
UAA566	kilohertz	kHz
UAA567	kilohertz metre	kHz·m
UAA568	kilojoule	kJ
UAA569	kilojoule per kelvin	kJ/K
UAA570	kilojoule per kilogram	kJ/kg
UAA571	kilojoule per kilogram kelvin	(kJ/K)/kg
UAA572	kilojoule per mole	kJ/mol

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Item code	Unit name	Unit symbol
UAA573	kilonewton	kN
UAA574	kilonewton metre	kN·m
UAA575	kilopascal	kPa
UAA576	kilopascal per kelvin	kPa/K
UAA577	kilopascal per bar	kPa/bar
UAA578	kilosiemens	kS
UAA579	kilosiemens per metre	kS/m
UAA580	kilovolt	kV
UAA581	kilovolt ampere	kV·A
UAA582	kilovolt per metre	kV/m
UAA583	kilowatt	kW
UAA584	kilowatt hour	kW·h
UAA585	kiloweber per metre	kWb/m
UAA586	kilobit per second	kbit/s
UAA587	kilocalorie (mean)	kcal
UAA588	kilocalorie (international table) per hour metre degree Celsius	kcalIT/(m·h·°C)
UAA589	kilocalorie (international table)	kcalIT
UAA590	kilocalorie (thermochemical)	kcalth
UAA591	kilocalorie (thermochemical) per minute	kcalth/min
UAA592	kilocalorie (thermochemical) per second	kcalth/s
UAA593	kiloelectronvolt	keV
UAA594	kilogram	kg
UAA595	kilogram per kelvin	kg/K
UAA596	kilogram per bar	kg/bar
UAA597	kilogram per centimetre cubed	kg/cm ³
UAA598	kilogram per centimetre cubed kelvin	(kg/cm ³)/K
UAA599	kilogram per centimetre cubed bar	(kg/cm ³)/bar
UAA600	kilogram centimetre squared	kg·cm ²
UAA601	kilogram per day	kg/d
UAA602	kilogram per day kelvin	(kg/d)/K
UAA603	kilogram per day bar	(kg/d)/bar
UAA604	kilogram per decimetre cubed	kg/dm ³
UAA605	kilogram per decimetre cubed kelvin	(kg/dm ³)/K
UAA606	kilogram per decimetre cubed bar	(kg/dm ³)/bar
UAA607	kilogram per hour	kg/h
UAA608	kilogram per hour kelvin	(kg/h)/K
UAA609	kilogram per hour bar	(kg/h)/bar
UAA610	kilogram per kilogram	kg/kg

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Item code	Unit name	Unit symbol
UAA611	kilogram per kilomol	kg/kmol
UAA612	kilogram per litre	kg/l
UAA613	kilogram per litre kelvin	(kg/l)/K
UAA614	kilogram per litre bar	(kg/l)/bar
UAA615	kilogram metre per second	kg·(m/s)
UAA616	kilogram per metre	kg/m
UAA617	kilogram per metre squared	kg/m ²
UAA618	kilogram per second metre squared	(m/s)·(kg/m ³)
UAA619	kilogram per metre cubed	kg/m ³
UAA620	kilogram per metre cubed kelvin	(kg/m ³)/K
UAA621	kilogram per metre cubed bar	(kg/m ³)/bar
UAA622	kilogram metre squared	kg·m ²
UAA623	kilogram metre squared per second	kg·m ² /s
UAA624	kilogram per minute	kg/min
UAA625	kilogram per minute kelvin	(kg/min)/K
UAA626	kilogram per minute bar	(kg/min)/bar
UAA627	kilogram millimetre squared	kg·mm ²
UAA628	kilogram per mole	kg/mol
UAA629	kilogram per second	kg/s
UAA630	kilogram per second kelvin	(kg/s)/K
UAA631	kilogram per second bar	(kg/s)/bar
UAA632	kilogram-force	kgf
UAA633	kilogram-force per square centimetre	kgf/cm ²
UAA634	kilogram-force metre	kgf·m
UAA635	kilogram-force per metre squared	kgf/m ²
UAA636	kilogram-force per square millimetre	kgf/mm ²
UAA637	kilometre	km
UAA638	kilometre per hour	km/h
UAA639	kilometre squared	km ²
UAA640	kilomole	kmol
UAA641	kilomole per hour	kmol/h
UAA642	kilomole per metre cubed	kmol/m ³
UAA643	kilomole per metre cubed kelvin	(kmol/m ³)/K
UAA644	kilomole per metre cubed bar	(kmol/m ³)/bar
UAA645	kilomole per minute	kmol/min
UAA646	kilomole per second	kmol/s
UAA647	kilosecond	ks
UAA648	kilovolt ampere reactive	kvar

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Item code	Unit name	Unit symbol
UAA649	litre	l
UAA650	litre per kelvin	l/K
UAA651	litre per bar	l/bar
UAA652	litre per day	l/d
UAA653	litre per day kelvin	(l/d)/K
UAA654	litre per day bar	(l/d)/bar
UAA655	litre per hour	l/h
UAA656	litre per hour kelvin	(l/h)/K
UAA657	litre per hour bar	(l/h)/bar
UAA658	litre per litre	l/l
UAA659	litre per minute	l/min
UAA660	litre per minute kelvin	(l/min)/K
UAA661	litre per minute bar	(l/min)/bar
UAA662	litre per mole	l/mol
UAA664	litre per second	l/s
UAA665	litre per second kelvin	(l/s)/K
UAA666	litre per second bar	(l/s)/bar
UAA667	reciprocal litre	1/l
UAA668	pound (avoirdupois) per degree Fahrenheit	lb/°F
UAA669	pound (avoirdupois)	lb (avoirdupois)
UAA670	pound (avoirdupois) per foot	lb/ft
UAA671	pound (avoirdupois) foot squared	lb·ft ²
UAA672	pound (avoirdupois) inch squared	lb·in ²
UAA673	pound (avoirdupois) per day	lb/d
UAA674	pound (avoirdupois) per foot hour	lb/(ft·h)
UAA675	pound (avoirdupois) per foot second	lb/(ft·s)
UAA676	pound (avoirdupois) per cubic foot	lb/ft ³
UAA677	pound (avoirdupois) per cubic foot degree Fahrenheit	(lb/ft ³)/°F
UAA678	pound (avoirdupois) per cubic foot psi	(lb/ft ³)/psi
UAA679	pound (avoirdupois) per gallon (UK)	lb/gal (UK)
UAA680	pound (avoirdupois) per gallon (US)	lb/gal (US liq.)
UAA682	pound (avoirdupois) per hour	lb/h
UAA683	pound (avoirdupois) per hour degree Fahrenheit	(lb/h)/°F
UAA684	pound (avoirdupois) per hour psi	(lb/h)/psi
UAA685	pound (avoirdupois) per cubic inch	lb/in ³
UAA686	pound (avoirdupois) per cubic inch degree Fahrenheit	(lb/in ³)/°F
UAA687	pound (avoirdupois) per cubic inch psi	(lb/in ³)/psi
UAA688	pound (avoirdupois) per psi	lb/psi

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Item code	Unit name	Unit symbol
UAA689	pound (avoirdupois) per minute	lb/min
UAA690	pound (avoirdupois) per minute degree Fahrenheit	(lb/min)/°F
UAA691	pound (avoirdupois) per minute psi	(lb/min)/psi
UAA692	pound (avoirdupois) per second	lb/s
UAA693	pound (avoirdupois) per second degree Fahrenheit	(lb/s)/°F
UAA694	pound (avoirdupois) per second psi	(lb/s)/psi
UAA695	pound (avoirdupois) per cubic yard	lb/yd ³
UAA696	pound-force	lbf
UAA697	pound-force foot	lbf·ft
UAA698	pound-force per square foot	lbf/ft ²
UAA699	pound-force inch	lbf·in
UAA700	pound-force per inch	lbf/in
UAA701	pound-force per square inch	psi
UAA702	pound-force per square inch degree Fahrenheit	psi/°F
UAA703	psi cubic inch per second	psi·in ³ /s
UAA704	psi litre per second	psi·l/s
UAA705	psi metre cubed per second	psi·m ³ /s
UAA706	psi cubic yard per second	psi·yd ³ /s
UAA707	pound-force second per square foot	lbf·s/ft ²
UAA708	pound-force second per square inch	lbf·s/in ²
UAA709	reciprocal psi	1/psi
UAA710	quart (UK liquid) per day	qt (UK liq.)/d
UAA711	quart (UK liquid) per hour	qt (UK liq.)/h
UAA712	quart (UK liquid) per minute	qt (UK liq.)/min
UAA713	quart (UK liquid) per second	qt (UK liq.)/s
UAA714	quart (US liquid) per day	qt (US liq.)/d
UAA715	quart (US liquid) per hour	qt (US liq.)/h
UAA716	quart (US liquid) per minute	qt (US liq.)/min
UAA717	quart (US liquid) per second	qt (US liq.)/s
UAA718	lumen	lm
UAA719	lumen per watt	lm/W
UAA720	lumen hour	lm·h
UAA721	lumen per metre squared	lm/m ²
UAA722	lumen second	lm·s
UAA723	lux	lx
UAA724	lux hour	lx·h
UAA725	lux second	lx·s
UAA726	metre	m

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Item code	Unit name	Unit symbol
UAA727	inch per two pi radiant	in/revolution
UAA728	metre per kelvin	m/K
UAA731	metre per bar	m/bar
UAA732	metre per minute	m/min
UAA733	metre per second	m/s
UAA734	metre per second pascal	(m/s)/Pa
UAA735	kilometre per second bar	(km/s)/bar
UAA736	metre per second squared	m/s ²
UAA737	metre to the fourth power	m ⁴
UAA738	reciprocal metre	1/m
UAA739	reciprocal metre squared	1/m ²
UAA740	reciprocal metre cubed	1/m ³
UAA741	milliohm	mΩ
UAA742	milliohm metre	mΩ·m
UAA743	milliohm per metre	mΩ/m
UAA744	metre squared	m ²
UAA745	metre squared per joule	m ² /J
UAA746	metre squared kelvin per watt	m ² ·K/W
UAA748	metre squared per volt second	m ² /(V·s)
UAA749	metre squared hour degree Celsius per kilocalorie (international table)	m ² ·h·°C/kcalIT
UAA750	metre squared per kilogram	m ² /kg
UAA751	metre squared per mole	m ² /mol
UAA752	metre squared per second	m ² /s
UAA753	metre squared per second kelvin	(m ² /s)/K
UAA755	metre squared per steradian	m ² /sr
UAA756	metre squared per steradian joule	m ² /(sr·J)
UAA757	metre cubed	m ³
UAA758	metre cubed per kelvin	m ³ /K
UAA759	metre cubed per bar	m ³ /bar
UAA760	metre cubed per day	m ³ /d
UAA761	metre cubed per day kelvin	(m ³ /d)/K
UAA762	metre cubed per day bar	(m ³ /d)/bar
UAA763	metre cubed per hour	m ³ /h
UAA764	metre cubed per hour kelvin	(m ³ /h)/K
UAA765	metre cubed per hour bar	(m ³ /h)/bar
UAA766	metre cubed per kilogram	m ³ /kg
UAA767	metre cubed per metre cubed	m ³ /m ³

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Item code	Unit name	Unit symbol
UAA768	metre cubed per minute	m ³ /min
UAA769	metre cubed per minute kelvin	(m ³ /min)/K
UAA770	metre cubed per minute bar	(m ³ /min)/bar
UAA771	metre cubed per mole	m ³ /mol
UAA772	metre cubed per second	m ³ /s
UAA773	metre cubed per second kelvin	(m ³ /s)/K
UAA774	metre cubed per second bar	(m ³ /s)/bar
UAA775	milliampere	mA
UAA776	milliampere per bar	mA/bar
UAA777	milliampere hour	mA·h
UAA778	milliampere per inch	mA/in
UAA781	milliampere per millimetre	mA/mm
UAA782	millicoulomb	mC
UAA783	millicoulomb per kilogram	mC/kg
UAA784	millicoulomb per metre squared	mC/m ²
UAA785	millicoulomb per metre cubed	mC/m ³
UAA786	millicurie	mCi
UAA787	millifarad	mF
UAA788	milligray	mGy
UAA789	millihenry	mH
UAA790	millihenry per ohm	mH/Ω
UAA791	millihenry per kilohm	mH/kΩ
UAA792	millijoule	mJ
UAA793	millinewton	mN
UAA794	millinewton metre	mN·m
UAA795	millinewton per metre	mN/m
UAA796	millipascal	mPa
UAA797	millipascal second	mPa·s
UAA798	millipascal second per kelvin	mPa·s/K
UAA799	millipascal second per bar	mPa·s/bar
UAA800	millisiemens	mS
UAA801	millisiemens per centimetre	mS/cm
UAA802	millisievert	mSv
UAA803	millitesla	mT
UAA804	millivolt	mV
UAA805	millivolt per metre	mV/m
UAA806	millivolt per minute	mV/min
UAA807	milliwatt	mW

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Item code	Unit name	Unit symbol
UAA808	milliwatt per metre squared	mW/m ²
UAA809	milliweber	mWb
UAA810	millibar	mbar
UAA811	millibar per kelvin	mbar/K
UAA812	millibar per bar	mbar/bar
UAA813	millibar litre per second	mbar·l/s
UAA814	bar metre cubed per second	bar·m ³ /s
UAA815	milligram	mg
UAA816	milligram per kelvin	mg/K
UAA817	milligram per bar	mg/bar
UAA818	milligram per centimetre squared	mg/cm ²
UAA819	milligram per day	mg/d
UAA820	milligram per day kelvin	(mg/d)/K
UAA821	milligram per day bar	(mg/d)/bar
UAA822	milligram per gram	mg/g
UAA823	milligram per hour	mg/h
UAA824	milligram per hour kelvin	(mg/h)/K
UAA825	milligram per hour bar	(mg/h)/bar
UAA826	milligram per kilogram	mg/kg
UAA827	milligram per litre	mg/l
UAA828	milligram per metre	mg/m
UAA829	milligram per metre squared	mg/m ²
UAA830	milligram per metre cubed	mg/m ³
UAA831	milligram per metre cubed kelvin	(mg/m ³)/K
UAA832	milligram per metre cubed bar	(mg/m ³)/bar
UAA833	milligram per minute	mg/min
UAA834	milligram per minute kelvin	(mg/min)/K
UAA835	milligram per minute bar	(mg/min)/bar
UAA836	milligram per second	mg/s
UAA837	milligram per second kelvin	(mg/s)/K
UAA838	milligram per second bar	(mg/s)/bar
UAA839	mile (statute mile)	mi
UAA840	micro-inch	microinch
UAA841	milli-inch	mil
UAA842	minute (angle)	min
UAA843	reciprocal minute	1/min
UAA844	millilitre	ml
UAA845	millilitre per kelvin	ml/K

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Item code	Unit name	Unit symbol
UAA846	millilitre per bar	ml/bar
UAA847	millilitre per day	ml/d
UAA848	millilitre per day kelvin	(ml/d)/K
UAA849	millilitre per day bar	(ml/d)/bar
UAA850	millilitre per hour	ml/h
UAA851	millilitre per hour kelvin	(ml/h)/K
UAA852	millilitre per hour bar	(ml/h)/bar
UAA853	millilitre per litre	ml/l
UAA854	millilitre per metre cubed	ml/m ³
UAA855	millilitre per minute	ml/min
UAA856	millilitre per minute kelvin	(ml/min)/K
UAA857	millilitre per minute bar	(ml/min)/bar
UAA858	millilitre per centimetre squared minute	(ml/min)/cm ²
UAA859	millilitre per second	ml/s
UAA860	millilitre per second kelvin	(ml/s)/K
UAA861	millilitre per second bar	(ml/s)/bar
UAA862	millimetre	mm
UAA863	millimetre per degree Celsius metre	mm/(°C·m)
UAA864	millimetre per kelvin	mm/K
UAA865	millimetre per bar	mm/bar
UAA866	millimetre per hour	mm/h
UAA867	millimetre per second	mm/s
UAA868	millimetre per year	mm/y
UAA869	millimetre to the fourth power	mm ⁴
UAA870	reciprocal millimetre cubed	1/mm ³
UAA871	millimetre squared	mm ²
UAA872	millimetre squared per second	mm ² /s
UAA873	millimetre cubed	mm ³
UAA874	millimetre cubed per metre cubed	mm ³ /m ³
UAA875	conventional millimetre of water	mmH ₂ O
UAA876	conventional millimetre of mercury	mmHg
UAA877	millimole	mmol
UAA878	millimole per gram	mmol/g
UAA879	millimole per kilogram	mmol/kg
UAA880	month	mo
UAA881	reciprocal month	1/mo
UAA882	mole	mol
UAA883	mole per decimetre cubed	mol/dm ³

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Item code	Unit name	Unit symbol
UAA884	mole per hour	mol/h
UAA885	mole per kilogram	mol/kg
UAA886	mole per kilogram kelvin	(mol/kg)/K
UAA887	mole per kilogram bar	(mol/kg)/bar
UAA888	mole per litre	mol/l
UAA889	mole per litre kelvin	(mol/l)/K
UAA890	mole per litre bar	(mol/l)/bar
UAA891	mole per metre cubed	mol/m ³
UAA892	mole per metre cubed kelvin	(mol/m ³)/K
UAA893	mole per metre cubed bar	(mol/m ³)/bar
UAA894	mole per minute	mol/min
UAA895	mole per second	mol/s
UAA896	reciprocal mole	1/mol
UAA897	milliradian	mrad
UAA898	milliroentgen equivalent in man	mrem
UAA899	millisecond	ms
UAA900	nanoohm metre	nΩ·m
UAA901	nanoampere	nA
UAA902	nanocoulomb	nC
UAA903	nanofarad	nF
UAA904	nanofarad per metre	nF/m
UAA905	nanohenry	nH
UAA906	nanohenry per metre	nH/m
UAA907	nanosiemens per centimetre	nS/cm
UAA908	nanosiemens per metre	nS/m
UAA909	nanotesla	nT
UAA910	nanowatt	nW
UAA911	nanogram per kilogram	ng/kg
UAA912	nanometre	nm
UAA913	nanosecond	ns
UAA914	octave	octave
UAA915	quantity of dimension one	1
UAA916	fluid ounce (US)	oz (US fluid)
UAA917	ounce (avoirdupois)	oz
UAA918	ounce (avoirdupois) per cubic yard	oz/yd ³
UAA919	ounce (avoirdupois) per day	oz/d
UAA920	ounce (avoirdupois) per hour	oz/h
UAA921	ounce (avoirdupois) per minute	oz/min

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Item code	Unit name	Unit symbol
UAA922	ounce (avoirdupois) per second	oz/s
UAA923	ounce (avoirdupois) per gallon (UK)	oz/gal (UK)
UAA924	ounce (avoirdupois) per gallon (US)	oz/gal (US)
UAA925	ounce (avoirdupois) per cubic inch	oz/in ³
UAA926	ounce (avoirdupois)-force	ozf
UAA927	ounce (avoirdupois)-force inch	ozf·in
UAA928	picoampere	pA
UAA929	picocoulomb	pC
UAA930	picofarad	pF
UAA931	picofarad per metre	pF/m
UAA932	picohenry	pH
UAA933	picopascal per kilometre	pPa/km
UAA934	picosiemens per metre	pS/m
UAA935	picowatt	pW
UAA936	picowatt per metre squared	pW/m ²
UAA937	phon	Phon
UAA938	pixel	pixel
UAA939	peck (UK)	pk (UK)
UAA940	peck (UK) per day	pk (UK)/d
UAA941	peck (UK) per hour	pk (UK)/h
UAA942	peck (UK) per minute	pk (UK)/min
UAA943	peck (UK) per second	pk (UK)/s
UAA944	peck (US dry) per day	pk (US dry)/d
UAA945	peck (US dry) per hour	pk (US dry)/h
UAA946	peck (US dry) per minute	pk (US dry)/min
UAA947	peck (US dry) per second	pk (US dry)/s
UAA948	peck (US)	pk (US)
UAA949	picometre	pm
UAA950	picosecond	ps
UAA951	psi per psi	psi/psi
UAA952	pint (UK)	pt (UK)
UAA953	pint (UK) per day	pt (UK)/d
UAA954	pint (UK) per hour	pt (UK)/h
UAA955	pint (UK) per minute	pt (UK)/min
UAA956	pint (UK) per second	pt (UK)/s
UAA957	pint (US liquid)	pt (US liq.)
UAA958	pint (US liquid) per day	pt (US liq.)/d
UAA959	pint (US liquid) per hour	pt (US liq.)/h

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Item code	Unit name	Unit symbol
UAA960	pint (US liquid) per minute	pt (US liq.)/min
UAA961	pint (US liquid) per second	pt (US liq.)/s
UAA962	pint (US dry)	pt (US dry)
UAA963	quart (UK)	qt (UK liq.)
UAA964	quart (US liquid)	qt (US liq.)
UAA965	quart (US dry)	qt (US dry)
UAA966	radian	rad
UAA967	radian per metre	rad/m
UAA968	radian per second	rad/s
UAA969	radian per second squared	rad/s ²
UAA970	rod (based on US survey foot)	rd (US)
UAA971	roentgen equivalent in man	rem
UAA972	second	s
UAA973	reciprocal second	1/s
UAA974	reciprocal second per metre squared	1/(s·m ²)
UAA975	reciprocal second per metre cubed	1/(s·m ³)
UAA976	reciprocal second per steradian	1/(s·sr)
UAA977	reciprocal second per steradian metre squared	1/(s·sr·m ²)
UAA978	slug	slug
UAA979	slug per day	slug/d
UAA980	slug per foot second	slug/(ft·s)
UAA981	slug per cubic foot	slug/ft ³
UAA982	slug per hour	slug/h
UAA983	slug per minute	slug/min
UAA984	slug per second	slug/s
UAA985	sone	sone
UAA986	steradian	sr
UAA987	stere	st
UAA988	tonne (metric ton)	t
UAA989	tonne per kelvin	t/K
UAA990	tonne per bar	t/bar
UAA991	tonne per day	t/d
UAA992	tonne per day kelvin	(t/d)/K
UAA993	tonne per day bar	(t/d)/bar
UAA994	ton per hour	t/h
UAA995	tonne per hour kelvin	(t/h)/K
UAA996	tonne per hour bar	(t/h)/bar
UAA997	tonne per metre cubed	t/m ³

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Item code	Unit name	Unit symbol
UAA998	tonne per metre cubed kelvin	(t/m ³)/K
UAA999	tonne per metre cubed bar	(t/m ³)/bar
UAB000	tonne per minute	t/min
UAB001	tonne per minute kelvin	(t/min)/K
UAB002	tonne per minute bar	(t/min)/bar
UAB003	tonne per second	t/s
UAB004	tonne per second kelvin	(t/s)/K
UAB005	tonne per second bar	(t/s)/bar
UAB006	tablespoon	tablespoon (US)
UAB007	teaspoon	teaspoon (US)
UAB008	ton (UK shipping)	British shipping ton
UAB009	ton (UK)	ton (UK)
UAB010	ton long per day	ton (UK)/d
UAB011	ton (US shipping)	(US) shipping ton
UAB012	ton (US)	ton (US)
UAB013	ton short per degree Fahrenheit	ton (US)/°F
UAB014	ton short per day	ton (US)/d
UAB015	ton short per hour degree Fahrenheit	(ton (US)/h)/°F
UAB016	ton short per hour psi	(ton (US)/h)/psi
UAB017	ton short per psi	ton (US)/psi
UAB018	ton (UK long) per cubic yard	ton.l/yd ³ (UK)
UAB019	ton (US) per hour	ton.s (US)/h
UAB020	ton (US short) per cubic yard	ton.s/yd ³ (US)
UAB021	ton-force (US short)	ton.sh-force
UAB022	torr	Torr
UAB023	volt ampere reactive	var
UAB024	week	wk
UAB025	common year	y (365 days)
UAB026	year	y
UAB027	reciprocal year	1/y
UAB028	sidereal year	y (sidereal)
UAB029	tropical year	y (tropical)
UAB030	yard	yd
UAB031	yard per degree Fahrenheit	yd/°F
UAB032	yard per psi	yd/psi
UAB033	reciprocal cubic yard	1/yd ³
UAB034	square yard	yd ²
UAB035	cubic yard	yd ³

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Item code	Unit name	Unit symbol
UAB036	cubic yard per degree Fahrenheit	yd ³ /°F
UAB037	cubic yard per day	yd ³ /d
UAB038	cubic yard per hour	yd ³ /h
UAB039	cubic yard per psi	yd ³ /psi
UAB040	cubic yard per minute	yd ³ /min
UAB041	cubic yard per second	yd ³ /s
UAB042	Galileo	Gal
UAB043	milligal	mGal
UAB044	inch per second squared	in/s ²
UAB045	dyne second per centimetre to the fifth power	(dyn/cm ²)/(cm ³ /s)
UAB046	kilocurie	kCi
UAB047	gigabecquerel	GBq
UAB048	are	a
UAB049	decare	daa
UAB050	square mile	mi ²
UAB051	ampere per millimetre squared	A/mm ²
UAB052	ampere per centimetre squared	A/cm ²
UAB053	kiloampere hour	kA·h
UAB054	volt per centimetre	V/cm
UAB055	erg per centimetre squared second	(erg/s)/cm ²
UAB056	milliroentgen	mR
UAB057	kiloroentgen	kR
UAB058	reciprocal ångström	1/Å
UAB059	kilopond	kp
UAB060	kilopascal per millimetre	kPa/mm
UAB061	erg per gram	erg/g
UAB062	hectometre	hm
UAB063	femtometre	fm
UAB064	decametre	dam
UAB065	nautical mile	NM
UAB066	astronomical unit	ua
UAB067	parsec	pc
UAB068	fathom (based on US survey foot)	fth
UAB069	light year	ly
UAB070	kilogram per millimetre	kg/mm
UAB071	pound (avoirdupois) per inch	lb/in
UAB072	ampere per millimetre	A/mm
UAB073	ampere per centimetre	A/cm
UAB074	weber per millimetre	Wb/mm

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Item code	Unit name	Unit symbol
UAB075	decagram	dag
UAB076	decigram	dg
UAB077	centigram	cg
UAB078	decitonne	dt
UAB079	hectogram	hg
UAB080	kilotonne	kt
UAB081	stone (UK)	st
UAB082	troy ounce	tr oz
UAB083	unified atomic mass unit	u
UAB084	decinewton metre	dN·m
UAB085	millilitre per centimetre squared second	(ml/s)/cm ²
UAB086	cubic foot per minute square foot	(ft ³ /min)/ft ²
UAB087	hectobar	hbar
UAB088	kilobar	kbar
UAB089	microbar	μbar
UAB090	ohm centimetre	Ω·cm
UAB091	curie per kilogram	Ci/kg
UAB092	megabecquerel per kilogram	MBq/kg
UAB093	megajoule per kilogram	MJ/kg
UAB094	decilitre per gram	dl/g
UAB095	millilitre per kilogram	ml/kg
UAB096	calorie (international table) per second centimetre squared kelvin	calIT/(s·cm ² ·K)
UAB097	calorie (thermochemical) per second centimetre squared kelvin	calth/(s·cm ² ·K)
UAB098	British thermal unit (international table) per second foot squared degree Rankine	BtuIT/(s·ft ² ·°R)
UAB099	British thermal unit (international table) per hour foot squared degree Rankine	BtuIT/(h·ft ² ·°R)
UAB100	coulomb per millimetre squared	C/mm ²
UAB101	coulomb per centimetre squared	C/cm ²
UAB102	dyne second per cubic centimetre	(dyn/cm ²)·s/cm
UAB103	gram per centimetre squared	g/cm ²
UAB104	ounce (avoirdupois) per square yard	oz/yd ²
UAB105	ounce (avoirdupois) per square foot	oz/ft ²
UAB106	dyne per centimetre	dyn/cm
UAB107	British thermal unit (international table) per second foot degree Rankine	BtuIT/(s·ft·°R)
UAB108	calorie (international table) per second centimetre kelvin	calIT/(s·cm·K)
UAB109	calorie (thermochemical) per second centimetre kelvin	calth/(s·cm·K)
UAB110	knot	kn
UAB111	mile per hour	mph

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Item code	Unit name	Unit symbol
UAB112	megalitre	MI
UAB113	decilitre	dI
UAB114	kilolitre	kl
UAB115	decalitre	dal
UAB116	standard	std
UAB117	dry barrel (US)	bbl (US dry)
UAB118	dry gallon (US)	gal (US dry)
UAB119	coulomb per millimetre cubed	C/mm ³
UAB120	coulomb per centimetre cubed	C/cm ³
UAB121	kilolitre per hour	kl/h
UAB122	exajoule	EJ
UAB123	petajoule	PJ
UAB124	femtojoule	fJ
UAB125	attojoule	aJ
UAB126	becquerel per metre cubed	Bq/m ³
UAB127	barn per electronvolt	b/eV
UAB128	barn per steradian	b/sr
UAB129	kilobyte	kbyte
UAB130	kilopascal metre squared per gram	kPa/(g/m ²)
UAB131	megabyte	Mbyte
UAB132	ounce (avoirdupois) inch	oz·in
UAB133	ounce (avoirdupois) foot	oz·ft
UAB134	oersted	Oe
UAB135	gauss	Gs
UAB136	kilogauss	kGs
UAB137	pound (avoirdupois) per square inch	lb/in ²
UAB138	kilopound-force per square inch	klbf/in ²
UAB139	calorie (15 °C)	Cal ₁₅
UAB140	barn per steradian electronvolt	b/(sr·eV)
UAB141	British thermal unit (international table) per pound degree Rankine	(BtuIT/°R)/lb
UAB142	coulomb per mole	C/mol
UAB143	metre cubed per coulomb	m ³ /C
UAB144	dyne second per centimetre	dyn·s/cm
UAB145	erg per centimetre	erg/cm
UAB146	erg per cubic centimetre	erg/cm ³
UAB147	erg per gram second	(erg/s)/g
UAB148	erg centimetre squared	erg·cm ²

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Item code	Unit name	Unit symbol
UAB149	erg centimetre squared per gram	$\text{erg} \cdot \text{cm}^2/\text{g}$
UAB150	British thermal unit (international table) per pound	BtuIT/lb
UAB151	joule second	$\text{J} \cdot \text{s}$
UAB152	gibibit	Gibit
UAB153	calorie (thermochemical) per gram	calth/g
UAB154	kilogram-force metre per second	$\text{m} \cdot \text{kgf/s}$
UAB155	maxwell	Mx
UAB156	gigabit	Gbit
UAB157	reciprocal metre squared reciprocal second	m^{-2}/s
UAB158	kibibit	Kibit
UAB159	kilobit	kbit
UAB160	kilovolt ampere hour	$\text{kV} \cdot \text{A} \cdot \text{h}$
UAB161	radian metre squared per mole	$(\text{rad/m})/(\text{mol/m}^3)$
UAB162	radian metre squared per kilogram	$(\text{rad/m})/(\text{kg/m}^3)$
UAB163	reciprocal metre cubed per second	m^{-3}/s
UAB164	reciprocal electron volt per metre cubed	$1/(\text{eV} \cdot \text{m}^3)$
UAB165	reciprocal joule per metre cubed	$1/(\text{J} \cdot \text{m}^3)$
UAB166	metric carat	Kt
UAB167	mebibit	Mibit
UAB168	square centimetre per erg	cm^2/erg
UAB169	square centimetre per steradian erg	$\text{cm}^2/(\text{sr} \cdot \text{erg})$
UAB170	metre kelvin	$\text{m} \cdot \text{K}$
UAB171	megabit	Mbit
UAB172	volt squared per kelvin squared	V^2/K^2
UAB173	volt per kelvin	V/K
UAB174	kilogram per centimetre squared	kg/cm^2
UAB175	watt per metre squared kelvin to the fourth power	$\text{W}/(\text{m}^2 \cdot \text{K}^4)$
UAB176	calorie (international table) per gram	calIT/g
UAB177	megajoule per second	MJ/s
UAB178	second per metre cubed radian	$\text{s}/(\text{m}^3 \cdot \text{rad})$
UAB179	decametre cubed	dam^3
UAB180	dram (US)	dram (av.)
UAB181	dram (UK)	dr (troy)
UAB182	pennyweight	pwt
UAB183	newton per centimetre squared	N/cm^2
UAB184	kilocalorie (thermochemical) per hour	kcalth/h
UAB185	gigabyte	Gbyte
UAB186	terabyte	Tbyte

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Item code	Unit name	Unit symbol
UAB187	petabyte	Pbyte
UAB188	joule per centimetre squared	J/cm ²
UAB189	kilogram-force metre per square centimetre	kgf·m/cm ²
UAB190	petabit	Pbit
UAB191	terabit	Tbit
UAB192	pound-force per foot	lbf/ft
UAB193	centimetre squared per gram	cm ² /g
UAB194	pound (avoirdupois) inch	lb·in
UAB195	kilovolt ampere reactive hour	kvar·h
UAB196	katal	kat
UAB197	troy pound (US)	lb (US)
UAB198	megavolt ampere reactive hour	Mvar·h
UAB199	megavolt ampere reactive	Mvar
UAB200	mho	mho
UAB201	micromho	μmho
UAB202	quarter (UK)	qr. l.
UAB203	Gunter's chain	ch (UK)
UAB204	furlong	fur
UAB205	mil	mil (angle)
UAB206	revolution	rev
UAB207	circular mil	cmil
UAB208	square mile (based on US survey foot)	mi ² (US survey)
UAB209	foot to the fourth power	ft ⁴
UAB210	biot	Bi
UAB211	gilbert	Gi
UAB212	franklin	Fr
UAB213	gamma	γ
UAB214	unit pole	unit pole
UAB215	ohm circular mil per foot	Ω·cmil/ft
UAB216	British thermal unit (39 °F)	Btu (39 °F)
UAB217	British thermal unit (59 °F)	Btu (59 °F)
UAB218	British thermal unit (60 °F)	Btu (60 °F)
UAB219	calorie (20 °C)	Cal ₂₀
UAB220	foot poundal	ft·pdl
UAB221	quad (10 ¹⁵ BtuIT)	quad
UAB222	therm (EC)	thm (EC)
UAB223	therm (US)	thm (US)
UAB224	watt per centimetre squared	W/cm ²

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Item code	Unit name	Unit symbol
UAB225	watt per square inch	W/in ²
UAB226	shake	shake
UAB227	poundal second per square foot	(pdl/ft ²)·s
UAB228	rhe	rhe
UAB229	mile per minute	mi/min
UAB230	mile per second	mi/s
UAB231	revolution per minute	r/min
UAB232	kilopound-force	kip
UAB233	poundal	pdl
UAB234	ton, assay	AT
UAB235	centimetre of mercury (0 °C)	cmHg (0 °C)
UAB236	centimetre of water (4 °C)	cmH ₂ O (4 °C)
UAB237	foot of water (39.2 °F)	ftH ₂ O (39,2 °F)
UAB238	inch of mercury (32 °F)	inHg (32 °F)
UAB239	inch of mercury (60 °F)	inHg (60 °F)
UAB240	inch of water (39.2 °F)	inH ₂ O (39,2 °F)
UAB241	inch of water (60 °F)	inH ₂ O (60 °F)
UAB242	kip per square inch	ksi
UAB243	poundal per square foot	pdl/ft ²
UAB244	denier	den
UAB245	pound (avoirdupois) per yard	lb/yd
UAB246	tex	tex
UAB247	square foot per hour	ft ² /h
UAB248	degree Fahrenheit hour per British thermal unit (international table)	°F/(BtuIT/h)
UAB249	degree Fahrenheit hour per British thermal unit (thermochemical)	°F/(Btuth/h)
UAB250	degree Fahrenheit second per British thermal unit (international table)	°F/(BtuIT/s)
UAB251	degree Fahrenheit second per British thermal unit (thermochemical)	°F/(Btuth/s)
UAB252	degree Fahrenheit hour foot squared per British thermal unit (international table) inch	°F·h·ft ² /(BtuIT·in)
UAB253	degree Fahrenheit hour foot squared per British thermal unit (thermochemical) inch	°F·h·ft ² /(Btuth·in)
UAB254	lumen per square foot	lm/ft ²
UAB255	phot	ph
UAB256	footcandle	ftc
UAB257	candela per square inch	cd/in ²
UAB258	footlambert	ftL

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Item code	Unit name	Unit symbol
UAB259	lambert	Lb
UAB260	stilb	sb
UAB261	ounce (avoirdupois) per square inch	oz/in ²
UAB262	pound (avoirdupois) per square foot	lb/ft ²
UAB263	British thermal unit (international table) per square foot hour	BtuIT/(ft ² ·h)
UAB264	British thermal unit (thermochemical) per square foot hour	Btuth/(ft ² ·h)
UAB265	British thermal unit (thermochemical) per square foot minute	Btuth/(ft ² ·min)
UAB266	British thermal unit (international table) per foot squared second	BtuIT/(ft ² ·s)
UAB267	British thermal unit (thermochemical) per foot squared second	Btuth/(ft ² ·s)
UAB268	British thermal unit (international table) per square inch second	BtuIT/(in ² ·s)
UAB269	calorie (thermochemical) per square centimetre minute	calth/(cm ² ·min)
UAB270	calorie (thermochemical) per square centimetre second	calth/(cm ² ·s)
UAB271	British thermal unit (international table) per degree Fahrenheit	BtuIT/°F
UAB272	British thermal unit (thermochemical) per degree Fahrenheit	Btuth/°F
UAB273	British thermal unit (international table) per degree Rankine	BtuIT/°R
UAB274	British thermal unit (thermochemical) per degree Rankine	Btuth/°R
UAB275	British thermal unit (thermochemical) per pound degree Rankine	(Btuth/°R)/lb
UAB276	British thermal unit (international table) per hour foot squared degree Fahrenheit	BtuIT/(h·ft ² ·°F)
UAB277	British thermal unit (thermochemical) per hour foot squared degree Fahrenheit	Btuth/(h·ft ² ·°F)
UAB278	British thermal unit (international table) per second foot squared degree Fahrenheit	BtuIT/(s·ft ² ·°F)
UAB279	British thermal unit (thermochemical) per second foot squared degree Fahrenheit	Btuth/(s·ft ² ·°F)
UAB280	British thermal unit (international table) per cubic foot	BtuIT/ft ³
UAB281	British thermal unit (thermochemical) per cubic foot	Btuth/ft ³
UAB282	British thermal unit (thermochemical) per pound	Btuth/lb
UAB283	British thermal unit (international table) per square foot	BtuIT/ft ²
UAB284	British thermal unit (thermochemical) per square foot	Btuth/ft ²
UAB285	calorie (thermochemical) per square centimetre	calth/cm ²
UAB286	foot (US survey)	ft (US survey)
UAB287	mile (based on US survey foot)	mi (US survey)
UAB288	acre-foot (based on US survey foot)	acre-ft (US survey)
UAB289	cord (128 ft ³)	cord
UAB290	cubic mile (UK statute)	mi ³
UAB291	ton, register	RT
UAB292	pound-force foot per inch	lbf·ft/in
UAB293	pound-force inch per inch	lbf·in/in
UAB294	perm (0 °C)	perm (0 °C)

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Item code	Unit name	Unit symbol
UAB295	perm (23 °C)	perm (23 °C)
UAB296	langley	Ly
UAB297	barn	b
UAB298	milligray per second	mGy/s
UAB299	microgray per second	μGy/s
UAB300	nanogray per second	nGy/s
UAB301	sievert per second	Sv/s
UAB302	millisievert per second	mSv/s
UAB303	microsievert per second	μSv/s
UAB304	nanosievert per second	nSv/s
UAB305	byte per second	byte/s
UAB306	kilobyte per second	kbyte/s
UAB307	megabyte per second	Mbyte/s
UAB308	newton metre per degree	N·m/°
UAB309	newton metre per radian	N·m/rad
UAB310	kilogram per metre cubed pascal	(kg/m ³)/Pa
UAB311	poise per pascal	P/Pa
UAB312	volt per pascal	V/Pa
UAB313	metre per second bar	(m/s)/bar
UAB314	stokes per pascal	St/Pa
UAB315	metre per pascal	m/Pa
UAB316	kilogram per pascal	kg/Pa
UAB317	mol per kilogram pascal	(mol/kg)/Pa
UAB318	mol per metre cubed pascal	(mol/m ³)/Pa
UAB319	kelvin per pascal	K/Pa
UAB320	ampere per pascal	A/Pa
UAB321	kilogram per second pascal	(kg/s)/Pa
UAB322	metre cubed per second pascal	(m ³ /s)/Pa
UAB323	metre cubed per pascal	m ³ /Pa
UAB324	reciprocal joule	1/J
UAB325	metre cubed per metre squared second	(m ³ /s)/m ²
UAB326	reciprocal volt	1/V
UAB327	reciprocal radian	1/rad
UAB328	metre per hour	m/h
UAB332	newton metre squared per ampere	N·m ² /A
UAB333	weber metre	Wb·m
UAB334	mole per metre cubed to the power sum of stoichiometric numbers	(mol/m ²) ^{**Σν_B}

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Item code	Unit name	Unit symbol
UAB335	pascal to the power sum of stoichiometric numbers	$\text{Pa}^{\sum v_B}$
UAB336	joule per tesla	J/T
UAB337	coulomb per metre	C/m
UAB338	decade	dec
UAB339	pascal squared second	$\text{Pa}^2 \cdot \text{s}$
UAB340	erlang	E
UAB341	octet	o
UAB342	octet per second	o/s
UAB343	Shannon	Sh
UAB344	Hartley	Hart
UAB345	natural unit of information	nat
UAB346	shannon per second	Sh/s
UAB347	hartley per second	Hart/s
UAB348	natural unit of information per second	nat/s
UAB349	second per kilogram	s/kg
UAB350	watt metre squared	$\text{W} \cdot \text{m}^2$
UAB351	bel	B
UAB352	second per radian metre cubed	$1/(\text{Hz} \cdot \text{rad} \cdot \text{m}^3)$
UAB353	ampere per metre squared kelvin squared	$\text{A}/(\text{m}^2 \cdot \text{K}^2)$
UAB354	weber to the power minus one	1/Wb
UAB355	kilogram metre per second squared	$\text{kg} \cdot \text{m}/\text{s}^2$
UAB356	joule per second	J/s
UAB357	pico Siemens	pS
UAB358	kiloweber	kWb
UAB359	nanoohm	nΩ
UAB360	reciprocal inch	1/in
UAB361	reciprocal square inch	1/in ²
UAB362	conventional metre of water	mH ₂ O
UAB363	pico volt	pV
UAB364	kilonewton per metre	kN/m
UAB365	kilocandela	kcd
UAB366	tonne per month	t/mo
UAB367	tonne per year	t/y
UAB368	kilogram metre	kg·m
UAB369	millicandela	mcd
UAB370	inch per year	in/y
UAB371	diopetre	dpt
UAB372	percent per month	%/mo
UAB373	percent per hectobar	%/hbar