

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1

STANDARD REFERENCE TEMPERATURE
FOR INDUSTRIAL LENGTH MEASUREMENTS

1st EDITION

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FOREWORD

A standard reference temperature for industrial length measurements was considered by the International Organization for Standardization through its Technical Committee ISO/TC 3 — Limits and Fits, the Secretariat of which is held by the Association Française de Normalisation.

This Committee examined ISA ¹⁾ Bulletin 24 — *Reference Temperature* with a view to adopting or revising it.

During its first meeting, held on 4 and 5 July 1949 in Paris, the Technical Committee ISO/TC 3 unanimously decided, without discussion, to adopt ISA Bulletin 24 as a Draft ISO Recommendation.

The following Member Bodies took part in this meeting:
Austria, Belgium, Czechoslovakia, Finland, France, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Sweden, Switzerland, United Kingdom, U.S.S.R.

On 10 January 1950, the Draft ISO Recommendation proposed by the Technical Committee ISO/TC 3 was submitted to all the Member Bodies of ISO.

The wording of this Draft was revised as a result of comments received. The text of the revision is substantially the same as that of the present ISO Recommendation and it was distributed to the Member Bodies on 28 February 1951.

This Draft ISO Recommendation was approved by the following 26 Member Bodies:

Australia	Hungary	Poland
Austria	India	Portugal
Belgium	Israel	Rumania
Canada	Italy	Sweden
Chile	Mexico	Switzerland
Czechoslovakia	Netherlands	Union of South Africa
Denmark	New Zealand	United Kingdom
Finland	Norway	U.S.S.R.
France		Yugoslavia

At its Meeting in Geneva in July 1951, the ISO Council unanimously accepted the Draft ISO Recommendation as an ISO Recommendation (Resolution No. 4, Council July 1951).

¹⁾ Published by the former International Federation of the National Standardizing Associations (ISA).

STANDARD REFERENCE TEMPERATURE FOR INDUSTRIAL LENGTH MEASUREMENTS

The standard reference temperature for industrial length measurements is fixed at 20 °C.¹⁾

¹⁾ The fixing of the reference temperature of 20 °C signifies that all length measurements referred to this temperature have at 20 °C the exact length corresponding to the international Prototype at 0 °C, i.e. a metre gauge with the indication: *reference temperature 20 °C* has at 20 °C the same length as the international Prototype at 0 °C.