

International Practical Temperature Scale of 1968.

H.M.S.O - International Practical Temperature Scale of 1968



Description: -

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Notes: English version of the official French text.

This edition was published in 1969



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The International Practical Temperature Scale of 1968 in the Region 90.188 K to 903.89 K as Maintained at the National Bureau of Standards

Addeddate 2012-05-15 15:11:10 Cite J. For instance, precise measurements show that the boiling point of VSMOW water under one standard atmosphere of pressure is actually 373.

Callendar

The official text of the IPTS-68 is the French text which was prepared by the Bureau International des Poids et Mesures from the English text, and is published as an annexe to Comptes rendus des séances de la Treizième Conférence Générale des Poids et Mesures. The differences $T_{90} - T_{68}$ are shown in Fig. Subsequent to the 1927 scale, new scales have been adopted in 1948, 1968, and 1990, with occasional minor revisions in intervening years.

International Practical Temperature Scale

The defining fixed points and deviation functions for the various ranges are given below, and in summary from in Table 5.

International Practical Temperature Scale of 1968 IPTS 68 translation in German

Auch die Temperaturskala des Minikin Boost Box Mod mit einer Reichweite von 100-300°C lässt jedes Vaperjerz höher schlagen, denn hier ist ganz sicher für jeden Geschmack etwas dabei.

International Temperature Scale of 1990

The SUPERTEMP immersion thermocouples are produced pursuant to the IPTS 68 and ITS 90 standards. No single platinum resistance thermometer can provide high accuracy, or is even likely to be usable, over all of the temperature range 13,8033 K to 961. This occurs at exactly 273.

International Practical Temperature Scale of 1968

The relation between T_{90} and T_{90} is the same as that between T and t , i. Changes from the ITS-27 were: the lower limit of platinum resistance thermometer range was changed from $-190\text{ }^{\circ}\text{C}$ to the defined oxygen boiling point of -182 . This scale supersedes the International Practical Temperature Scale of 1968 amended edition of 1975 and the 1976 Provisional 0.

Triple point

The deviation function is given by Eq.

Practical Salinity Scale

In our calculator, temperature uses IPTS-68 standards and definitions and salinity uses PSS-78 standards and definitions.

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