

ASME PTC 19.3 - 1974

ANSI PTC 19.3 - 1974

REAFFIRMED 1998

FOR CURRENT COMMITTEE PERSONNEL
PLEASE SEE ASME MANUAL AS-11

PART 3

Temperature Measurement

INSTRUMENTS

AND

APPARATUS

Supplement to

A S M E

PERFORMANCE

TEST

CODES

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
United Engineering Center
345 East 47th Street New York, N.Y. 10017

PART 3

**Temperature
Measurement**

**INSTRUMENTS
AND
APPARATUS**

Library of Congress Catalog No. 74-76612

No part of this document may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

**Copyright, © 1974, by
The American Society of Mechanical Engineers
Printed in the United States of America**

FOREWORD

The Scope of the work of Technical Committee No. 19 on Instruments and Apparatus is to describe the various types of instruments and methods of measurement likely to be prescribed in any of the ASME Performance Test Codes. Such details as the limits and sources of error, method of calibration, precautions, etc., as will determine their range of application are given.

Only the methods of measurement and instruments, including instructions for their use, specified in the individual test codes are mandatory. Other methods of measurement and instruments, that may be treated in the Supplements on Instruments and Apparatus, shall not be used unless agreeable to all the parties to the test.

This Supplement on Instruments and Apparatus, Part 3 on Temperature Measurement, replaces an older one published during the period from 1952-1961. Since that time the technology of temperature measurement has so changed and broadened that the earlier material has become obsolete. This necessitated a complete revision on the Supplement resulting in the currently expanded and more comprehensive document.

In accordance with the established policy of the American Society of Mechanical Engineers concerning the inclusion of metric (SI or International System) units in all ASME publications, this document includes an Appendix of appropriate conversion factors which will enable the user to utilize both systems. These conversions are listed in the Appendix as they first appear throughout the Supplement. Extensive use was made of the "ASME Orientation and Guide for Use of Metric Units, Third Edition" and The ASTM Metric Practice Guide E380-92." These two publications should be consulted for additional material concerning conversions from the US system to SI units.

This Edition was approved by the Performance Test Codes Committee on July 12, 1973. It was approved and adopted by the Council of the Society by action of the Board on Codes and Standards on May 29, 1974.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-