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# ASTM International Technical Committee E20 on Temperature Measurement

## Scope

To promote the knowledge and advancement of the science of temperature measurement by:

- Sponsoring technical meetings and symposia independently or in cooperation with other organizations;
- Promoting research and development on applicable methods and associated materials;
- Formulating specifications and methods of test for temperature measuring apparatus and nomenclature;
- Assembling consolidated source books covering all aspects relating to accuracy, application, and usefulness of thermometric methods; and
- Coordinating the Committee activities with those of other ASTM Committees and other organizations.

## Technical Subcommittees

- E20.02 Radiation Thermometry
- E20.03 Resistance Thermometers
- E20.05 Liquid-in-Glass Thermometers and Hydrometers
- E20.07 Fundamentals in Thermometry
- E20.09 Digital Contact Thermometers
- E20.11 Thermocouples - Calibration
- E20.12 Thermocouples - Specifications
- E20.13 Thermocouples - Materials and Accessories Specifications
- E20.14 Thermocouples - Testing
- E20.90 Executive
- E20.91 Editorial and Terminology
- E20.94 Publication
- E20.96 Temperature Measurement Techniques Open Forum Workshop/ Formal Colloquium

## Key Documents

- E1 Standard Specification for ASTM Liquid-in-Glass Thermometers
- E77 Standard Test Method for Inspection and Verification of Thermometers
- E220 Standard Test Method for Calibration of Thermocouples By Comparison Techniques
- E230 Standard Specification for Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples
- E2251 Standard Specification for Liquid-in-Glass ASTM Thermometers with Low-Hazard Precision Liquids

**Learn more about Committee E20**  
[www.astm.org/COMMIT/E20](http://www.astm.org/COMMIT/E20)



## Quick Facts

**Established** 1962

**Number of Members** 125+

**Number of Standards** 45

**Global Participation**

16 Countries represented

**The standards are available in**

Volume 14.03 in the *Annual Book of ASTM Standards*

**Meetings** E20 meets twice each year, in May and November

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