



ASTM International Technical Committee E37 on Thermal Measurements

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Committee E37 Webpage:

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Established: 1973

Number of Members: 100

Number of Standards: 60

The standards are available in: *Volume 14.02 in the Annual Book of ASTM Standards*

Meetings: E37 meets twice each year, in March and September

SCOPE:

The development and application of thermal measurements by the coordination and development of standard test methods, recommended practices, nomenclature, and definitions for thermal measurements in cooperation with other technical committees of the Society and other national and international organizations; cooperation with organizations concerned with the preparation and distribution of standard reference materials; the providing of a forum for the exchange of information; and the stimulation of research and education in the field of thermal measurements.

Areas of Interest: The principal areas of interest of E37 initially shall include:

(1) Traditional thermal analytical techniques of thermogravimetry, differential thermal analysis and scanning calorimetry, thermomechanical analysis, evolved gas analysis, and related techniques.

(2) Measurement of thermophysical properties including thermal conductivity, thermal diffusivity, thermal expansion, energy content, and thermal radiative properties.

SUBCOMMITTEES:

E37.01 Calorimetry and Mass Loss

E37.02 Standard Reference Materials

E37.03 Nomenclature and Definitions

E37.04 Technical Programs

E37.05 Thermophysical Properties

E37.06 Editorial

E37.07 Liaison

E37.08 Rheology

E37.09 Biological Calorimetry

E37.10 Fundamental, Statistical and Mechanical Properties

E37.90 Executive

KEY DOCUMENTS:

- E1582 Standard Practice for Calibration of Temperature Scale for Thermogravimetry
- E1868 Standard Test Method for Loss-On-Drying by Thermogravimetry
- E1952 Standard Test Method for Thermal Conductivity and Thermal Diffusivity by Modulated Temperature Differential Scanning Calorimetry

