



Designation: E 2113 – 002

Standard Test Method for Length Change Calibration of Thermomechanical Analyzers¹

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1. Scope

1.1 This method describes calibration of the length change (deflection) measurement or thermal expansion of thermomechanical analyzers (TMA) over the temperature range from -100 to 600°C using the thermal expansion of a suitable reference material.

1.2 Computer or electronic based instruments, techniques or data treatment equivalent to this method may be used.

NOTE 1—Users are advised that all such instruments or techniques may not be equivalent. It is the responsibility of the user to determine necessary equivalency prior to use.

1.3 SI values are the standard.

1.4 This method differs from ISO standard 11359-1 by providing an alternative calibration procedure.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of whoever uses this standard to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*

¹ This test method is under the jurisdiction of ASTM Committee E37 on Thermal Measurements and is the direct responsibility of Subcommittee E37.01 on Thermal. Current edition approved ~~Nov. August~~ 10, 200002. Published ~~Ap~~ October 2002. Originally published as E 2113-00. Last previous edition E 2113-00.