

(2) FOR SENSOR CALIBRATION (THERMOCOUPLES & RTD SENSORS) FOR AEROSPACE APPLICATIONS
SAE INTERNATIONAL AEROSPACE MATERIAL SPECIFICATIONS AMS 2750 REV: G



AEROSPACE MATERIAL SPECIFICATION	AMS2750™	REV. G
	Issued	1980-04
	Revised	2022-06
Superseding AMS2750F		
Pyrometry		

RATIONALE

AMS2750G results from a Two-Year Review and update of this specification. There were multiple requirements in AMS2750F that became effective 2 years after its release on June 29, 2020, making other requirements obsolete from that point forward. AMS2750G has fully incorporated these 2 year requirements and removed the obsolescent requirements thus preventing their unintended use. The only exception to this, due to equipment availability, is that 3.2.3.2.1 regarding digital recording instruments was added to give users one additional year to comply with the minimum readability. Additionally, this revision has made numerous clarifications to aid the user.

1. SCOPE

- 1.1 This specification covers pyrometric requirements for equipment used for the thermal processing of metallic materials. Specifically, it covers temperature sensors, instrumentation, thermal processing equipment, correction factors and instrument offsets, system accuracy tests, and temperature uniformity surveys. These are necessary to ensure that parts or raw materials are heat treated in accordance with the applicable specification(s).
- 1.2 This specification may be used in other non-heat treating applications when specified.
- 1.3 This specification is not applicable to heating or to intermediate thermal processing unless otherwise specified.
- 1.4 This specification applies to laboratory furnaces to the extent specified in 3.6.

2. REFERENCES

2.1 Applicable Documents

The issue of the following documents in effect on the date of the purchase order form a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1.1 SAE Publications

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