

Indian Standard

AUTOMOTIVE VEHICLES — INSTRUMENT SYSTEMS — TEMPERATURE GAUGES — ELECTRICAL AND ELECTRONIC TYPE — SPECIFICATION

(First Revision)

1 SCOPE

This standard specifies the requirements for electrically/electronically operated temperature gauges used to indicate temperatures of cooling water or lubricating oil of automotive engines.

2 REFERENCES

The following standards contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
(Part 16):1983	Driving rain test
ISO 7637-2: 2004	Road vehicles — Electrical disturbances from conduction and coupling— Part 2 : Electrical transient conduction along supply lines only
ISO 7637-3: 1995	Road vehicles-Electrical disturbances by conduction and coupling— Part 3 : Vehicle with nominal 12V or 24V supply voltage— Electrical transmission by capacitive and inductive coupling via lines other than supply lines
2500 (Part 1): 2000	Sampling inspection procedures : Part 1 Attributes sampling plans Indexed by acceptable quality level (AQL) for lot by lot inspection (<i>third revision</i>)
9000	Basic environmental testing procedures for electronic and electrical items:
(Part 2/Sec 3): 1977	Cold test, Section 3 Cold test for non- heat dissipating items with gradual change of temperature
(Part 3/Sec 3): 1977	Dry heat test, Section 3 Dry heat test for non-heat dissipating items with gradual change of temperature
(Part 5/Sec 2): 1981	Damp heat (cyclic) test, Section 2 12+12 h cycle
(Part 7/Sec 2): 1979	Impact test, Section 2 Bump
(Part 7/Sec 3) : 1979	Impact test, Section 3 Drop and topple
(Part 8):1981	Vibration (Sinusoidal) test
(Part 11):1983	Salt mist test
(Part 12):1981	Dust test
(Part 14/Sec 2): 1988	Test N : Change of temperature, Section 2 Test Nb : Change of temperature (temperature cycling) with specified rate of change — One chamber method