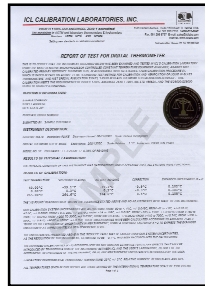


ThermoProbe Digital Gauging Thermometer TP-8



ISO/IEC 17025 REPORT OF CALIBRATION INCLUDED

All ThermoProbe models shown in this catalog are intrinsically safe, Class1, Div.1, Groups CD, Approved by Underwriters Laboratories

MAXIMUM DIMENSIONS:

6.6 x 4.5 x 4.2 in.
16.7 x 14 x 10.7 cm

TOTAL WEIGHT:

3.8 lbs with 75ft cable
1.7kg with 23m cable

APPROVED BATTERY TYPE:

9 volt alkaline/Duracell MN1604/Rayovac A1604 or Eveready 522

BATTERY LIFE:

Approximately 50 hrs

CASE MATERIALS:

6063 – T6 Aluminum

LIMITED WARRANTY:

90 days on Probe Assembly
1 year on the other components

PROBE:

Stainless Steel probe with static dissipating Teflon cable jacket, 0.020" thick
Standard lengths 50'/15m 75'/23m 110'/34m
Marked in 5 foot or meter increments

TEMPERATURE RANGE:

14/ 370F
-10/188C

ACCURACY:

+/- 0.2 F 32/220F
+/- 0.2 C 0/104C

Long term drift not to exceed 0.05%/year

Probe assembly can be changed by the user, calibration performed at a single temperature, and accuracy to within +/- 0.2 @ 32F, +/-0.6 @ 195F can be expected. (Full calibration is recommended when probe assembly is changed.)
Exceeds API requirements

Options:

Extra Weight Probe
Asphalt Weight Probe
Extra Length Sensor
Railcar Sensor

The TP-8 has been designed to be simple yet very versatile, with circuit and sensor components that are highly accurate and reliable over an extended temperature range. The instrument is compact, with cable storage; probe holders and handle molded into the case. Depending on the service, which the user needs, the case will accommodate both our standard probe assembly or asphalt probe assembly. Models intended for asphalt and molten sulphur applications are designated with the part number suffix "AW". Other items include the coil cord grounding assembly, carry strap and user instruction sheet.

To endure the environment and be intrinsically safe, the TP-8 is manufactured of materials, which are both immune to petrochemicals and are non-sparking. The enclosure is made of extruded aluminum with a nominal thickness of 0.1"/2.5mm. As with all ThermoProbe instruments, the probe assembly is constructed with very flexible Teflon cable, and stainless steel sensor components. To ensure longevity of the user interface, all text is engraved, the window is a scratch resistant polycarbonate and the switch is O-Ring sealed.

Operational Attributes:

Easily replaceable 9V battery provides an average of 50 hours of operation. Circuit logic automatically indicates low battery condition, shows readout integrity before each operation, and automatically shuts off after two minutes and displays error codes for failure determination. The low power backlight for night operation is photo sensor controlled for convenience and battery conservation. Celsius or Fahrenheit units with C/F indication can be easily chosen by an internal selector.