



TP8 PETROLEUM GAUGING THERMOMETER

The TP8 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 handles integrated into the case. Depending on the service which the user needs, the case will accommodate both our standard probe assembly or asphalt probe assembly.

Includes 3 Point NIST Traceable Calibration, a 90-day warranty on probe assembly and a one year warranty on all other components.

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 a very flexible, static-dissipating, aramid fiber reinforced, non-stick cable, and stainless steel sensor components. To ensure longevity of the user interface, all text is engraved, the window is scratch resistant and the switch is O-Ring sealed.

Operational Attributes

Easily replaceable 9V Battery, provides an average of 50 hours operation. Circuit logic automatically indicates low battery condition, shows readout integrity before each operation, 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 without recalibration.

SPECIFICATIONS

Maximum Dimensions:	6.6 x 4.5 x 4.2 in. 16.7 x 11.4 x 10.7 cm
Total Weight:	3.7 lbs with 75 ft. of cable 1.7 kg with 23m of cable
Battery:	Type: 9 volt Alkaline, approved types listed on device. Life: Approximately 50 hours Battery manufacturer's battery operating temperature range -4° to 130°F, -20° to 54°C Note: Battery may not provide adequate power if ambient temperature is below -4°F, -20°C or above 130°F, 54°C
Case Materials:	6063 - T6 Aluminum
Limited Warranty:	90 days on Probe Assembly 1 year on other components
Probe:	304 Stainless Steel, Sealant, Aramid Fiber Reinforced, FEP or PFA Cable Jacket, Coaxial Construction
Temperature:	Resolution 0.1 Degrees Range* 14 to 370°F, -10 to 188°C *Lower Range Available For Cold Climates Calibrated Accuracy: ±0.2°F from 32 to 200°F ±0.5°F from 200 to 300°F ±0.1°C from 0 to 100°C ±0.3°C from 100 to 150°C Long term drift not to exceed 0.05%/yr Meets API requirements.

Specifications subject to change

TYPICAL APPLICATIONS

Custody Transfers, Inventory, Tank, Pipeline, Barge, Ship, Railcar, Tank Truck. (Recommended Operation: API 7, Intl. Safety Guide For Oil Tankers and Terminals.)

Other Applications: Proving Systems (API 4)

Materials: All petrochemicals, caustic, acid, alkalies, powders. Molasses, syrups, distilled spirits.

CERTIFICATIONS



Warning:
This device must be bonded (grounded) before and during introduction into the tank and remain bonded until complete withdrawal from the tank.

ATEX

INTRINSICALLY SAFE THERMOMETER
CLASS I, DIVISION 1, GROUPS ABCD NORTH AMERICA
ATEX II 2G EEx ia IIB T3/T6 EUROPE.