

TP5



The TP-5 is a basic petrochemical gauging thermometer designed to be rugged, simple and compact yet remain lightweight. The case is constructed of extruded aluminum with an integrated probe holder. An aluminum plate attached below the case retains the probe cable. To ensure reliability in severe conditions, cover plates are gasketed and an unbreakable waterproof switch is pressure sealed at the opening. The unit is powered by a common 9V transistor battery easily accessible and removable, yet securely fixed. A single rubber encapsulated rocker switch provides on/off operation and a photocell controls the backlight for night use. Calibration can be performed without opening the case by removing two access screws. Probe Assembly termination at the circuit board is performed with a lever type terminal for quick replacement. Fahrenheit or Celsius scale is jumper selectable for versatility. LCD segments can be self tested from the circuit board to insure readout integrity. All electronic components except the probe assembly are mounted to a single circuit board eliminating wires and connectors. The instrument has been tested to be Intrinsically Safe to UL 913.

Certifications



Intrinsically Safe Thermometer
Class I, Div. 1, Groups CD

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

SPECIFICATIONS

<i>Maximum Dimensions:</i>	9.05 x 7.20 x 1.76 in. 23 x 18.3 x 4.5 cm.
<i>Total Weight:</i>	3 lbs with 75 ft. of cable 1.4 kg with 23m of cable
<i>Approved Battery Type:</i>	9 volt Alkaline, Duracell MN1604 Rayovac A1604 Eveready 522
<i>Battery Life:</i>	Approximately 40 hours
<i>Case Materials:</i>	Anodized Aluminum
<i>Limited Warranty:</i>	90 days on Probe Assembly 1 year on other components
<i>Probe:</i>	Stainless Steel probe with static dissipating non-stick cable jacket, 0.020" thick Standard lengths 50'/15m 75'/23m 110'/34m
<i>Temperature Range:</i>	-60 to 200 °F -55 to 150 °C
<i>Accuracy:</i>	±0.3 °F, 32 to 200 °F ±0.2 °C, 0 to 100 °C
<i>Options:</i>	Extra Weight Probe Asphalt Weight Probe Extra Length Sensor Railcar Sensor Custom

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)
Metering Systems (API 5)
Metering Systems (API 6)*

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

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