

ICL CALIBRATION LABORATORIES, INC.

ISO/IEC 17025 & ANSI-NCSL Z-540-1 Accredited

Setting new standards in calibration excellence!

THERMOPROBE DIGITAL GAUGING THERMOMETER TP9-A

ISO/IEC 17025 REPORT OF
CALIBRATION INCLUDED



AEx ia IIB T4 Ga
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ITS17ATEX201515X
II 1 G IECEx ETL 16.0051X



Specifications

Maximum Dimensions: 10"L x 4.25"H x 6.4" W

Probe: 304 Stainless Steel,

Sealant, Aramid Fiber

Reinforced, FEP or PFA

Cable Jacket, Coaxial

Construction

Enclosure Material:

Stainless Steel Static-dissipative Plastic Probe Holder

Polyvinylchloride Faceplate

Stainless Steel Fasteners

Stainless Steel Fasteners

Batteries: 2AA Alkaline; Duracell

MX2400

Resolution 0.01

Range:

-40 to +400°F

-40 to +204°C

Calibrated Accuracy:

±0.2°F from 32 to 200°F

±0.5°F from 200 to 400°F

±0.1°C from 0 to 100°C

±0.3°C from 100 to 200°C

Long-term drift not to exceed 0.05%/year Meets API requirements

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,

syrops, distilled spirits.

Options

Extra Weight Probe

Asphalt Weight Probe

Extra Length Sensor

Railcar Sensor

The **TP9-A** is a Zone 0 intrinsically safe digital gauging thermometer re-designed to the latest standards for use in hazardous locations. With over 30 years experience manufacturing digital thermometers, ThermoProbe has designed the TP9-A with reliable, high accuracy RTD sensors based on our previous industry-standard thermometers such as the TP7-C and TP9.

The latest TP9-A electronics are more accurate than previous models based on our laboratory thermometer technology. The convenient user interface provides a large 1/2" alpha numeric character display and buttons that can be easily used with gloves. An automatic backlight feature is included to help reading the display in low light conditions. An intuitive menu allows the user to easily select Celsius or Fahrenheit units, display resolution, and access calibration. Icons on the display help the user identify temperature stability, battery condition and menu items. The TP9-A comes equipped with easily replaceable AA batteries, providing up to 200 hours of operation. The TP9-A rugged instrument body is constructed from stainless steel and static-dissipative plastic components. The TP9-A ergonomic probe storage and stainless construction is well suited for gauging heavy products that are hard to clean such as asphalt. With multiple probe configurations and allowable lengths up to 50 meters (165 ft), the TP9 is well suited to many tank gauging applications. The probe assembly is constructed of easy to clean materials such as non-stick cable and stainless steel.

Operational Attributes:

- Easily replaceable AA Batteries, provides an estimated *200 hours operation.
- Circuit logic automatically indicates low battery condition, automatically shuts off after twenty minutes, shows temperature trend and stabilization, displays error codes for failure determination.
- The low power backlight for night operation is photo sensor controlled for convenience and battery conservation.
- In nighttime conditions the backlight illuminates the display.
- Celsius or Fahrenheit units with C/F indication can be easily selected from the Function Button.
- User Manual explains intuitive calibration procedure that can be done through the external faceplate buttons.