

THE BETA PROBE™ TI+ HIGH PRECISION DIGITAL THERMOMETER IDEAL FOR VERIFICATION CHECKS OF PET THERMOMETERS PER API CHAPTER 7 SPECIFICATIONS

Intrinsically Safe

-58/572°F (-50/300°C)

Calibrated Accuracy: $\pm 0.03^\circ\text{F}$ (+/- 0.02°C)

Resolution: 0.001°

Application:

- Replacing Mercury in Glass thermometers
- Pipeline temperature measurement
- Prover Calibration
- Meter Proving
- PET Verification
- As a reference instrument for checking production



Features:

- Intrinsically safe
- High measuring accuracy, +/- 0.09°F (0.05°C)
- Standard Probe length 18"
- User-configurable temperature Trend/Stability indicator
- Trend Indicating Arrows
- Optional data logging to internal memory
- 300-hour battery life
- Percent battery-life and low-battery indicator

A single BetaProbe TI+ high precision digital thermometer can replace many liquid-in-glass (l-i-g) thermometers. It can also serve as a reference standard for other types of digital or analog temperature indicators. Plus, intrinsically safe certification means it can be used virtually anywhere.

The integral 3/16" (5 mm) diameter probe houses a quick response thin film sensor for quickly acquiring highly accurate readings using minimal insertion depth. The integral probe also rotates through 90° for any angle reading of the display.

Speaking of displays, a unique feature of the BetaProbe TI+ is the user configurable trend indicator. With this feature, the user knows at a glance if the reading is stable or trending higher or lower. The display also incorporates a high intensity blue backlight for easy reading in any lighting condition from full sun to pitch dark.

With the use of optional BetaLOG™ TI software, the BetaProbe TI+ becomes a high performance, easy to use temperature data logger. It allows the user to create a full suite of logging options, download them to the BetaProbe TI+, then retrieve, format, display and save the data using Microsoft® Excel spreadsheet files.

The BetaProbe's RS-232 serial port can also be used for configuration and recalibration support via Windows™ HyperTerminal.

The BetaProbe TI+ includes many other features including Min/Max storage and recall; selectable sample rate; battery saving auto shutoff and damping. Battery life of 250+ hours of continuous use means the three AAA alkaline batteries will seldom need changing.

Cat No	Description
650.006.3116	BetaProbe TI high precision digital thermometer, -50 to 300°C (-58/572°F), 3/16 x 18" stem, Intrinsically safe (ATEX compliant) 0.001 resolution, +/- 0.06°C Accuracy. Supplied with an ISO/IEC 17025, NIST traceable certificate of calibration report @ -40, 0.01, 100, 200, 300°C and storage case.
650.006.3213	The BetaProbe TI high precision digital thermometer, -50 to 300°C (-58/572°F), 3/16 x 18" stem, Intrinsically safe (ATEX compliant) 0.001 resolution, +/- 0.06°C Accuracy. Supplied with an ISO/IEC 17025, NIST traceable certificate of calibration report @ -40, 32, 212, 392, 572°F and storage case.