

DRYWELL & SURFACE

Surface & Insertion Temperature Calibration



Standard Features

- Portable & Rugged Industrial Design
- Interchangeable Thermocouple Wells For Immersion & Surface Calibration
- Expanded Uncertainties Of ± 1.0 °C Achieved For Entire Operating Temperature Range
- Surface Thermocouple Connection Output For Added Accuracy & Reliability
- Eurotherm Controller With ITools For Easy Automation



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Surface & Insertion Temperature Calibrator

PRI-1

The EDL Practi-Cal temperature calibrator makes dependable on-site validations of sensors possible. It allows in-house or in-field calibrations, and is ideal for quickly identifying out of tolerance or damaged sensors, therefore reducing process deviations related to temperature. In cases where plant personnel are unable to identify the source of temperature errors, the use of a high quality EDL sensor in conjunction with the Practi-Cal as a control source, provides the means of qualifying the error and maximizing the confidence level in the measurement process.

The Practi-Cal is versatile; designed to calibrate two major types of temperature sensors: immersion and surface. Designed with interchangeable thermocouple wells that vary in diameter, this unit is all that's needed for accurate calibrations of both surface and insertion sensors. This device uses a Eurotherm Controller with ITools for easy automation of your temperature measurement process.

The Practi-Cal is manufactured at our facility and can be customized to meet the special requirements of your sensor calibrations.

Standard Features

- Portable
- Rugged Industrial Design
- Interchangeable Wells
- Immersion & Surface Calibration (Figure 1)
- Surface Thermocouple Connection Output For Added Accuracy & Reliability
- Expanded Uncertainties Of ± 1.0 °C Achieved For Entire Operating Temperature Range
- Initial & Annual Re-Calibration Performed In Our Calibration Laboratory
- Eurotherm Controller With ITools For Easy Automation Of Temperature Measurement Process
- 12-Month Warranty

Specifications

Part #	PRI-1
Range	Ambient to 315 °C
Size	30.4 cm x 25.4 cm x 34.6 cm (12" x 10" x 14")
Weight	11 kg (25 lbs)
Resolution	0.1 °C
Accuracy	± 0.2 °C
Stability	± 0.2 °C (over 30 minute period)
Uniformity	± 0.5 °C
Fast Cool	200 °C in ~40 minutes
Warm-up Time	100 °C in ~10 minutes 300 °C in ~20 minutes



Surface Calibration

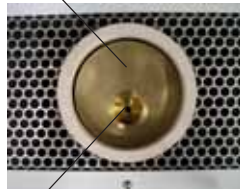


Figure 1

Dry Well Insertion

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