

Practi-Cal Drywall/Surface Calibrator

PRI-1, PRI-2



Calibrators

EDL's Practi-Cal (PRI) Dry Well / Surface Calibrator (PRI) was designed for easy testing and verification of surface and insertion-style sensors in one compact package. The Practi-Cal (PRI) utilizes an interchangeable dry well system that accommodates both insertion and surface style sensors – a uniform flat surface alongside a custom drilled insertion dry well. The Practi-Cal (PRI-1) accommodates temperatures from Ambient up to 350 °C, and is equipped with a large 3" precision machined Aluminum block. The PRI-2 accommodates temperatures from Ambient up to 650 °C, and utilizes a 3" precision machined Brass block. The PRI's unique design facilitates testing of practically any style and shape sensor.

The PRI is ideal for use in the lab or in the field. Because these units are at or under 30lbs., you can take them virtually anywhere. Testing in-situ sensors or verifying sensors right on the production floor is a breeze with the small footprint. Engineered with easy to change wells specific to your sensor size and reference probes, the PRI will increase the accuracy of your measurements. The standard block accommodates three 4.75mm (0.187") diameter sensors plus one 6.35mm (0.250") diameter reference sensor - simultaneously. Custom engineered dry well inserts are available to accommodate almost any size sensor – available in Copper, Brass, and Stainless Steel (dependent on your temperature range). Inserts are easily and quickly changed as needed.

The Practi-Cal (PRI) has an easy to navigate touch screen with a resolution of 0.1 °C, and offers set point memory recalls. The PRI uses a series of internal sensors to extrapolate the actual surface temperature of the drywell block. iTools is included and helpful demo videos are available on YouTube. The unit ships preprogrammed. A NIST traceable calibration certificate is included with your purchase. The PRI may be drilled to accommodate an independent external PRT – call for information and pricing. All EDL calibrators are made in the USA and tested for stability and uniformity before shipping.

- **Lightweight and Compact • Highly Accurate & Stable Readings**
- **Unit May Be Drilled to Accommodate an Independent PRT**
- **Interchangeable Wells for Immersion and Surface Calibrations All in One Unit**
- **Expanded Uncertainties of ± 1.0 °C Across Complete Temperature Range**
- **Available as a Reference System • NIST Traceable Calibration Certificate Included**

| PRACTI-CAL SPECIFICATIONS | | |
|---------------------------|--|---|
| Model Number | PRI-1 | PRI-2 |
| Block Material | Precision Machined Aluminum | Precision Machined Brass |
| Block Size | 7.62cm (3") | |
| Temperature Range | Ambient to 350 °C | Ambient to 650 °C |
| Overall Size | 30.48cm (12") x 25.40cm (10") x 35.56cm (14") | |
| Weight | 9.53kg (21 lbs.) | 13.61kg (30 lbs.) |
| Stability | 0.05 °C (over 30-minute period) | |
| Resolution | 0.1 °C | |
| Accuracy | ± 2.0 °C | |
| Uniformity | ± 0.5 °C | |
| Heat Up | 100 °C in ~10 minutes 300 °C in ~20 minutes | 300 °C in ~20 minutes 500 °C in ~45 minutes 600 °C in ~60 minutes |
| Fast Cool | 200 °C in ~40 minutes | |
| Interface | RS-232 Interface and iTools | |
| Power | 120VAC, 10amp, 50/60Hz *Available in 240VAC | |



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