

EDL Temperature Calibration Instrumentation

EDL's new and improved Temperature Calibration products are designed and built in the USA. They are used on a daily basis in our calibration lab and are backed by a one year warranty that includes parts and labor. Please call our sales manager or technical staff at 1-800-342-5335 or (434) 799-0807 to discuss which solution is right for you.

Dual Black Body Infrared Calibrator

DBB Dual Zone Black Body calibrators are designed to make infrared calibration easier than ever before. With the introduction of these products you can quickly, easily and accurately calibrate all general purpose infrared thermometers.

The low temperature Black Body is powered by convenient and efficient Thermo electric modules. Our unique design gives you high reliability coupled with high accuracy.

Data is easily collected and downloaded to your computer through the RS232 port.



DBB-350:

Low Range: -20°C to 135°C
High Range: 20°C to 350°C

DBB-650:

Low Range: -20°C to 135°C
High Range: 20°C to 650°C

- 2.5" dia. (6.4cm) calibration surface
- 0.98 emissivity
- RTD reference sensors included

Drywell & Surface Calibrators



EDL's standard line of surface and insertion calibrators includes: STS-SC, STS-SC (High Temp), and Practi-Cal. The Practi-Cal is available with surface and insertion calibration. Interchangeable wells that vary in depth and diameter are available. All three devices use a Eurotherm Controller with ITools for easy automation of your temperature measurement process.

PRI-1:

Ambient to 315°C

- Interchangeable wells for PRI-1
- Surface thermocouple output
- Expanded uncertainties of $\pm 1.0^\circ\text{C}$ achieved for entire temp range

STS-SC1 (High Temp):

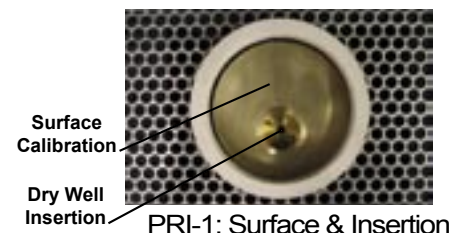
Ambient to 650°C

STS-SC2:

Ambient to 315°C

Comparison

	Surface	Insertion	Infrared	High Temp.
STS-SC1	Y	N	N	N
STS-SC2	Y	N	N	Y
PRI-1	Y	Y	N	N



EDL Temperature Calibration Instrumentation

Mini Ultra Bath

EDL brings stirred liquid bath calibration to the field and the laboratory bench top. Our Mini Baths are high precision portable calibration source instruments that simply out perform even the best dry wells at affordable prices. Accuracies and uniformities better than 20mK are equivalent to most large style baths and all smaller style baths at a fraction of the cost. They are ideal for the calibration of thermocouples, PRTs, thermistors, and liquid and glass thermometers.

The EDL Mini-Ultra Bath is supplied with sensor support bushings that allow fast simple immersion of standard size sensors. A specially designed double o-ring lid seals the unit for storage and transport so that the media can remain in the tank. Both units include an RS-232 interface for use with the supplied I-Tools software. Full function programming, monitoring and graphing from your laptop or pc is available using this open architecture system software.



MUB-50200
50°C to 200 °C

MUB-20130
-20°C to 130 °C

- RS-232 Interface
- Stability: 20mK
- Resolution 10mK
- 6"(15.24cm) Insertion Depth

Mini Salt Bath

EDL introduces the Mini Salt Bath, an innovative solution to high temperature stirred liquid baths. The MSB-500 is a clear alternative to the large style salt baths that require large volumes of salt. With a 15" square foot print and weighing less than 50 lbs, this bath is well suited for bench top laboratory use and field portability.

Start up time from a solid to 220°C is approx. 60 minutes plus 30 minutes for stabilization. Heating rates are fast because there is only 14 lbs of salt or slightly less than one gallon (3.7L) of fluid; rates greater than 3.5°C per minute allow the user to calibrate numerous points throughout the day, that is less than 60 minutes from 220°C to 420°C.

- Heated Drain
- RS-232 interface & touch screen control
- Can be used with salt or silicone.
- 10" Deep tank for a variety of SPRTs & industrial sensors.



MSB-500
200°C to 500°C