

# MesaCal 8000 MicroBath

Our MesaCal MicroBath can be used anywhere for any type of DataTrace sensor. The MesaCal 8000 weighs less than 10.16 kg (22.4 lb). It's lighter and smaller than most dry-wells, has a spill-proof lid, and is easy to transport. You can take it where you need to go without carts or excessive effort, even with the fluid in it.

Wherever you go with your MicroBath, you can count on its performance.

MesaCal 8000 MicroBath is stable to  $\pm 0.03$  °C or better, depending on the fluid you use. Uniformity is  $\pm 0.02$  °C or better for low uncertainties using a reference thermometer. Display accuracy has been improved to  $\pm 0.25$  °C for quick calibrations without a reference thermometer. In short, you get the stability and precision of a liquid bath in a drywell-sized package.

*See reverse side for product specifications.*

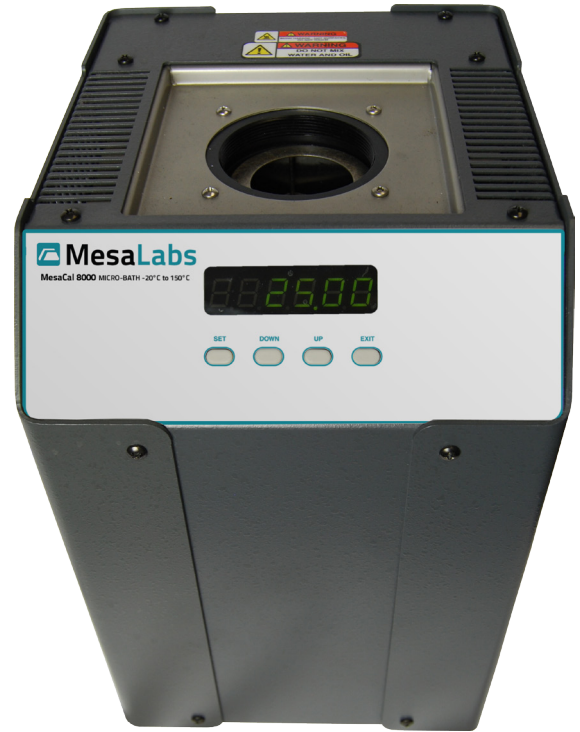
## Related Item:

Accurate and repeatable to 0.05 °C over its full range, the Mesa 801 Reference Thermometer is the gold standard of industrial temperature calibration.

- Stainless steel probe
- Digital readout
- Calibrated as a system
- 90° rotating backlit LCD display
- User-configurable stability indicator

[Visit our website](#) for more information!

## MesaCal 8000



*Capable of automated calibrations using the DataTrace DT Pro 1.x Software, simply connect to a serial communication port and use the calibration utility within DT Pro to take advantage of this feature.*



# MesaCal 8000 MicroBath

## Product Specifications

**Range:** -20 °C to 150 °C (-4 °F to 302 °F)

**Accuracy:** ± 0.25 °C

**Stability:**

± 0.03 °C at -25 °C (oil 5010)

± 0.05 °C at 125 °C (oil 5010)

**Uniformity:** ± 0.02 °C

**Resolution:** 0.01 °C/°F

**Operating Temperature:** 5 °C to 45 °C

**Heating Time:** 25 °C to 100 °C: 35 minutes

**Cooling Time:** 25 °C to -25 °C: 45 minutes

**Well Size:** 64 mm dia. x 140 mm deep (2.5 x 5.5 in)

(working area is 48 mm [1.9 in] in diameter)

**Size:** (WxHxD) 23 x 34 x 26 cm (9 x 13.2 x 10.5 in)

**Weight:** 11.16 kg (24.6 lb) with fluid

**Volume:** 1.0 L (2.11 pints)

**Power:** 94–234 V ac (± 10 %), 50/60 Hz, 400 W

**Computer Interface:** RS-232 included with free Interface-it software

**NIST-Traceable Calibration:** Data at -25 °C, 0 °C, 25 °C, 50 °C, 75 °C, 100 °C, and 125 °C