

# TEMPERATURE CALIBRATORS

## MicroCal T Series



### Compact Temperature Calibrator

Dry-block calibrators for in-situ applications

#### Features

- Portable compact design
- Two models from -10°C to + 300°C
- 0.1 C resolution
- Lightweight & easy to use
- "Fan Cooled" aluminium block
- High accuracy & stability
- Complete with traceable certificate of calibration

The **MicroCal T10** and **MicroCal T30** dry-wells allow users to check the accuracy of thermometers and sensors as a system on site, without the need for heavy, expensive equipment. The dry-wells are high accuracy portable heat sources which are extremely easy to use. Simply plug in, switch on and set the dry-well to the temperature that you wish to check, insert your probe into the correct size well and take the reading. Compare the temperature reading of your thermometer and probe to the displayed temperature of the dry-well and the difference is the error of your instrument. A traceable Certificate of Calibration is included with each instrument.

### Specifications

#### 8156 - MicroCal T10

The dry-well furnace is the best solution when you need to have accuracy, simplicity of use and lightness. MicroCal T10 is excellent for checking the calibration of a wide range of instrumentation including digital thermometers, bi-metal dial thermometer and thermosensors that need calibration check below ambient.

Temperature range:	-10°C to +110°C@20°C
Stability:	±0.2°C
Heating time:	Ambient to 100°C after 10 minutes
Cooling time:	Ambient to 0°C after 10 minutes
Resolution:	±0.1°C
Accuracy:	±0.5°C from -10 to 99°C - ±1°C otherwise
Block:	Aluminium
Hole dimensions:	2x ↓ 13.0 mm (for inserts)
Insert hole dimensions:	1x ↓ 4.8 mm - 1x { 6.4 mm (nominal)
Well depth:	100 mm
Power:	230V 50Hz (110/115Vac on request) - 200W
Dimensions:	106 x 152 x 186 mm
Weight:	180 grams



#### 8158 - MicroCal T30

MicroCal T30 dry-well features an easy to read LED display with temperature range of ambient to 300°C. It is easy to check the calibration of digital thermometers, bi-metal dial thermometer and thermosensors that need calibration check.

Temperature range:	Ambient to +300°C@20°C
Stability:	±0.5°C
Heating time:	Ambient to 300°C after 10 minutes
Resolution:	±0.1°C
Accuracy:	±0.5°C from 33 to 199°C - ±1°C otherwise
Block:	Aluminium
Hole dimensions:	2x ↓ 3.3 mm - 1x @ 4.8mm - 1x 6.4mm - 1x ↓ 9.6 mm (nominal)
Well depth:	100 mm
Power:	230V 50Hz (110/115Vac on request) - 200W
Dimensions:	57 x 125 x 158 mm
Weight:	900 grams

