

## TCL-165S-D Precision Hot/Cold Dry Block Calibrator

The Omega TCL-165S-D calibrator is one of the best means to check and calibrate a wide range of temperature measuring instruments and temperature sensors. It uses the most advanced thermal design to ensure precision, accuracy and repeatability. It is compact and durable which makes it easy to transport. It is user friendly and offers all the features required for your specific test. The internal sensor is tested and cycled until it is virtually drift free. The TCL165S-D Precision Hot/Cold Dry Block Calibrator features a cooling cycle that allows stable temperature calibration down to -35 to 165°C (-31 to 329°F).



### Features

- Temperature range -35 to 165°C (-31 to 329°F)
- Virtually drift-free internal sensor
- Digital electronics and control algorithms
- Dual display in °C/°F, switchable
- 100 to 240 Vac operation
- Removable insert
- Lightweight design for portability
- Accepts probes up to 3/8" in diameter

### Specifications

<b>Temperature Range</b>	-35 to 165°C (-31 to 329°F)
<b>Accuracy</b>	± 0.2°C (± 0.36°F)
<b>Stability</b>	± 0.05°C (± 0.09°F)
<b>Measurement Zone</b>	110 to 150 mm (4.33 to 5.91")
<b>Block</b>	28 mm (1.1") diameter, 150 mm (5.9") depth
<b>Display</b>	2-line, 4-digit display, red/green, switchable °C/°F
<b>Resolution</b>	0.01°C/0.02°F in range of -9.99 to 99.99°C/4.02 to 211.98°F, else 0.1°C (0.18°F)
<b>Dimensions</b>	W: 210 mm (8.27"), H: 330 + 50 mm (14.96 + 1.97"), D: 300mm (10.63")
<b>Weight</b>	Approximately 22 lb (10 kg)
<b>Power Supply</b>	100 to 240 Vac, 50/60 Hz
<b>Power Consumption</b>	400 VA

### Accessories

### Description

<b>TCL-S-DB28150-E</b>	Adaptor sleeve, 7 bores: 1/8" (1), 3/16" (2), 1/4" (2), 3/8" (2) diameter holes
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### Ordering Example

#### Model Number

#### Description

<b>TCL-165S-D</b>	Precision Hot/Cold Dry Block Calibrator
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*Comes complete with C of C, power cable, insertion tool, and operator's manual.*

## TCL-M255S-B Precision Micro Bath Calibrator

The TCL-M255S-B is a high temperature Micro Bath and has a range of ambient to 255°C (491°F). The TCL-M255S-B uses a calibration fluid to immerse the item being calibrated and offers certain advantages if temperature sensors with an unusual shape and size are to be tested. The test item is immersed directly into the liquid without an insulating air gap. This results in direct temperature contact between the calibrator and the test item. The liquid, usually silicone oil, is chosen depending on the calibration temperature required. The continuous adjustment of the magnetic stirrer together with the removable sensor basket agitates the calibration liquid to create a large measuring zone. Furthermore, the sensor basket guarantees unhindered stirring that helps protect the tank floor.



### Features

- Temperature range from ambient to 255°C (491°F)
- 115 Vac Power Supply (230 Vac optional)
- Dual display in °C/°F, switchable
- High stability value of  $\pm 0.05^\circ\text{C}$
- Accuracy of  $\pm 0.2^\circ\text{C}$  (0.36°F)
- Lightweight design for portability
- Large measuring zone for calibration

### Specifications

<b>Temperature Range</b>	Ambient to 255°C (491°F)
<b>Accuracy</b>	$\pm 0.2^\circ\text{C}$ ( $\pm 0.36^\circ\text{F}$ )
<b>Stability</b>	$\pm 0.05^\circ\text{C}$ ( $\pm 0.09^\circ\text{F}$ )
<b>Measurement Zone</b>	110 to 150 mm (4.33 to 5.91")
<b>Block</b>	60 mm (2.36") diameter, 170 mm (6.69") depth
<b>Display</b>	2-line, 4-digit display, red/green, switchable °C/°F
<b>Resolution</b>	0.01°C/0.02°F in range of -9.99 to 99.99°C/4.02 to 211.98°F, else 0.1°C (0.18°F)
<b>Dimensions</b>	W: 150 mm (5.91"), H: 330 + 70 mm (12.99 + 2.76"), D: 270 mm (10.63")
<b>Weight</b>	Approximately 16.5 LB (7.5 kg)
<b>Power Supply</b>	115 Vac, $\pm 10\%$
<b>Control Sensor</b>	Internal

### Model Number

### Description

<b>TCL-165S-D</b>	Precision Hot/Cold Dry Block Calibrator
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*Comes complete with C of C, power cable, insertion tool, and operator's manual.*