



## MTC 350 Microprocessor based Temperature Calibrator

### Mid-Range Dry Block Temperature Calibrator

Ideal for fast site calibration of:

Thermocouples, Resistance Thermometers, Temperature transmitters, thermostats, etc.

- Range: 50°C to 350°C (122°F to 662°F)
- Accuracy:  $\pm 0.4^\circ\text{C}$
- Can measure TC, RTD, mV/mA/V, and  $\Omega$  signals
- 128 x 64 Graphic Display
- Touch Membrane Keypad for quick access to selections
- Interchangeable Thermowell Inserts
- Single & Multi-hole Inserts Available
- Includes: 1/4" & 1/2" Inserts
- Heating Speed: 15 min. (to max.)
- Cooling Speed: 33 min. (to 100°C)
- Calibration Certification Included



Accurate

Easy to use

Efficient

Fast

Multifunction

Portable

Reliable

Sturdy



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## MTC 350 Microprocessor based Temperature Calibrator

### Mid-Range Dry Block

The **MTC 350 Calibrator** is a portable source that offers fast temperature calibration in an easy to use design for medium temperatures ranges (50°C above amb. to 350°C) applications.

**Measuring Capabilities**  
for TC, RTD, mV/mA/V, & Ω

**Touch Membrane Keypad**  
Allows quick access to selections

**Accuracy:**  
± 0.4°C



### Applications

The MTC 350 is designed to verify and calibrate temperature sensors, thermometers, and process transmitters both in the laboratory and in the field!

**Range:**  
50°C above amb. to 350°C

**Stability:**  
± 0.05°C

**Display Resolution:**  
0.1 °C

### MTC 350 Mid-Range Dry Block Specifications

<b>Range:</b>	50°C (122°F) above amb. to 350°C (662°F) * Specifications subject to change *	
<b>Stability:</b>	±0.05°C	<b>Dimensions (WxHxD)</b> 160 x 350 x 370mm (6.3" x 13.8" x 14.6")
<b>Accuracy:</b>	±0.4°C	<b>Weight:</b> 6Kg (13.2 lbs)
<b>Heating Speed:</b>	15 min. (to maximum)	<b>Measuring Units:</b> °C or °F
<b>Cooling Speed:</b>	33 minutes (to 100°C)	<b>Power Supply:</b> Switch Selectable: 115V or 230V AC 50/60Hz
<b>Stabilization Time:</b>	15 minutes	
<b>Display Accuracy:</b>	± 0.1°C	
<b>Well Depth:</b>	110mm	<b>Power Consumption:</b> 1200 Watts
<b>Well Dia.:</b>	25mm	
<b>Switch Test /Supply:</b>	Provided / 5VDC (open)	<b>Warranty:</b> 1 Year Warranty

**TC Types:** J, K, R, S, N Res. 0.01, Accy. 0.05% F.S

**mV:** 0 to 100mV Res. 0.01/.1, Accuracy 0.05% F.S

**RTD:** Pt100 Res. 0.1, Accy. 0.05% F.S

**V:** 0 to 10V Res. 0.001, Accuracy 0.05% F.S

**mA:** 0 to 25mA Res. 0.001, Accy. 0.05% F.S

**Ω:** 0 to 500Ω/3.5KW, Accuracy 0.05% F.S

#### Working Standard Reference Accessories

**2160** - TC S 1400°C Working Reference Standard Probe

**2168** - TC K 1100°C Working Reference Standard Probe

**2184** - Pt100 Class A Working Reference Standard Probe

### Model No. **Ordering Information**

**MTC 350** MTC 350 unit w/ RS232 I/F with cable, & Caltemp Software, AC Cable, Switch Test Cable, 1/4" & 1/2" Insert Tubes for probes, Insertion Tube Tool, Manual, Spare Fuses, & Calibration Certificate

- 1 120V 50/60Hz US Plug
- 2 230V 50/60Hz with Schuko Plug
- 3 230V 50/60Hz with UK Plug
- 4 230V 50/60Hz with European Plug

### MTC 350 Accessories

MTC 350-CC - Carrying Case

MTC 350-18P - Single Hole Insert: 1/8"

MTC 350-14P - Single Hole Insert: 1/4"

MTC 350-38P - Single Hole Insert: 3/8"

MTC 350-12P - Single Hole Insert: 1/2"

MTC 350-34P - Single Hole Insert: 3/4"

MTC 350-78P - Single Hole Insert: 7/8"

#### Note:

- 1) Single Hole mm Inserts available upon request: 3, 4, 6, 7, 8, 10, 12, 19, & 21mm
- 2) Additional Multi-hole Inserts available upon request  
Examples: 1x 6mm + 1x 8mm  
3x 6mm  
1x10mm + 1x 4mm  
1x 1/8" + 1x 3/16"  
1x 5/16" + 1x 3/8"