

CTC 1200 A

Dry-block calibrator



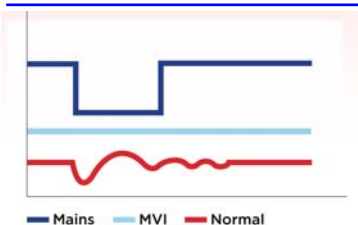
- **Temperature range: 300 °C to 1205 °C**
- **Fast dry block with short stabilization time**
- **Mains Power Variance Immunity**
- **Switch Test and up to stepping function**
- **Calibration software included**
- **Informative Display and easy to use**



Specifications

Temperature range:	300°C to 1205 °C / 572to 2200°F
Accuracy: (with internal ref. sensor)	±2.0 °C / ±3.6 °F
Stability:	±0.08 °C / ±0.14°F
Measured after the stability indicator has been on for 10 minutes. Measuring time is 30 minutes.	
Resolution (user selectable):	1 °C or 0.1°C
Settings	
Resolution	1 or 0.1 od 0.001
Units	°C or °F or K
Heating time:	23 to 1205 °C / 73 to 2200°F 45 minutes
All specifications are given with an ambient temperature 23°C/73.4°F / ±3°C/5.9°F. Specified at 115V/230V.	
Cooling time:	1205 to 300 °C / 2200 to 572°F 120 minutes
Time to stability (typical):	20 minutes
Mains Power:	
Voltage:	115 V (90-127) / 230 V (180-254)
Max. Power Consumption	600 VA
Frequency:	50 Hz ±5, 60 Hz ±5
Instrument weight:	
Instrument dimensions (L x W x H):	241 x 139 x 408 mm
Immersion Depth incl. Insulation plug:	110 mm
Well diameter:	27 mm
Insert Dimension (diameter x length):	25 x 155 mm
Electrical: (Switch Input- mechanical contact)	
Test voltage:	max. 5 VDC
Test Current:	max. 2.5 mA
Digital Interface (RS232 9-pin Male)	
Enviromental:	
Operating temperature:	0 to 40°C / 32 to 104°F
Storage Temperature:	-20 to 50°C / -4 to 122°F
Humidity:	0 to 90% Rh, non-condensing
Protection Class:	IP-10

MVI – Improved temperature stability „Mains power Variance Immunity”



Unstable mains power supplies are a major contributor to on-site calibration inaccuracies. Traditional temperature calibrators often become unstable in production environments where large electrical motors, heating elements, and other devices are periodically cycled on or off. The cycling of supply power can cause the temperature regulator to perform inconsistently leading to both inaccurate readings and unstable temperatures.

Inserts, heat shields, and cleaning brushes



Always use the original inserts where material and physical dimensions have been optimized. A drilling guide is included if you buy undrilled inserts. The head shield protects the sensor/transmitter under test from the heated air. Use the cleaning brushes to clean the borings in your inserts when necessary.