



TCS 1200 High Temperature Furnace

Dry Block Multifunction Temperature Calibrator

TCS Series of Multifunction Temperature Calibrators is a temperature source to check and calibrate TCs, Resistance Thermometers, Temperature transmitters, glass thermometers, thermostats, etc.

- Simple to use
- Built to last
- Dry Block
- Resolution 0.1°C/°F
- Multi-hole Insert
- Interchangeable Inserts
- Optional Black Body Insert
- Range: 150°C to 1200°C (300°F to 2190°F)
- Heating Speed: 100°C to 1100°C in 20 minutes
- Cooling Speed: 1100°C to 800°C in 50 minutes
- NIST Calibration Certification Included



Accurate

Easy to use

Efficient

Fast

Quality

Reliable

Stable

Sturdy



E Instruments International

www.E-Inst.com

P:215-750-1212 F:215-750-1399 A: 172 Middletown Blvd, Ste B201 Langhorne, PA 19047



TCS Series 1200 High Temperature Furnace

Dry Block

The TCS 1200 portable source offers fast temperature calibration in an easy to use design for high temperatures (150°C to 1200°C) applications.

Optional Black Body Insert
for infrared thermometers

Standard 4 Multi-hole Insert
4 x 8mm (0.31")

Dry Block: Depth 130mm



Applications

The TCS 1200 is designed to verify and calibrate temperature sensors, thermometers, and process transmitters both in the laboratory and in the field!

Range: 150°C to 1200°C
(300°F to 2190°F)

Stability:
Dry Block: ±0.2°C @ 1100°C

Radial Uniformity:
±0.2°C @ 1100°C

TCS 1200 Dry Block Specifications

Range:	from 150°C (300°F) to 1200°C (2190°F) * Specifications subject to change *	
Absolute Stability	±0.2°C @ 1100°C	Dimensions (WxHxD) 340 x 300 x 170mm 13.4" x 11.8" x 6.7"
Radial Uniformity:	±0.2°C @ 1100°C	Weight: 9.7Kg (21.4 lbs)
Heating Speed:	100°C to 1100°C in 20 minutes	Measuring Units: °C or °F / ITS90
Cooling Speed:	1100°C to 800°C in 50 minutes	Power Consumption: 2500 Watts
Stabilization Time:	15 minutes	
Block Diameter:	36 mm	
Block Depth:	130 mm	
Well Depth:	80 mm	
Multi-hole Insert:	4 x 8mm (0.31")	

Part Number *Ordering Information*

- 20-8176-7** TCS 120 standard unit with 4 hole insert, vinyl carrying case, manual, & NIST 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
 - 5 100V 50/60Hz with USA/Japan Plug

Accessories

- 21-4694-0** - TCS 1200 undrilled metal block insert
- 21-8164-3** - TCS 1200 standard metal block insert
- 21-5253-2** - TCS 1200 Black Body Insert option
- EE180050** - Probe Support Kit
- 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

