



TCS 650 Medium 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: 35°C to 650°C (95°F to 1200°F)
- Heating Speed: 50°C to 600°C in 30 minutes
- Cooling Speed: 600°C to 150°C in 30 minutes
- 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 650 Medium Temperature Furnace

Dry Block

The **TCS 650** portable source offers fast temperature calibration in an easy to use design for medium temperatures (35°C Tamb to 650°C) applications.

Optional Black Body Insert
for infrared thermometers

Standard 6 Multi-hole Insert
2 x 4.5, 2 x 6.4, 1 x 8, 1 x 9.5mm

Dry Block: Depth 148mm



Applications

The TCS 650 is designed to verify and calibrate temperature sensors, thermometers, and process transmitters both in the laboratory and in the field!

Range:
35°C from Tamb to 650°C

Stability:
Dry Block: ±0.03°C @ 650°C

Radial Uniformity:
±0.08°C @ 650°C

TCS 650 Dry Block Specifications

Range:	from 35°C (95°F) to 650°C (1200°F)	* Specifications subject to change *
Absolute Stability	±0.03°C @ 650°C	Dimensions (WxHxD) 340 x 300 x 170mm 13.4" x 11.8" x 6.7"
Radial Uniformity:	±0.08°C @ 650°C	Weight: 11.0Kg (24.25 lbs)
Heating Speed:	50°C to 600°C in 30 minutes	Measuring Units: °C or °F / ITS90
Cooling Speed:	600°C to 150°C in 30 minutes	Power Consumption: 1200 Watts
Stabilization Time:	10 minutes	
Block Diameter:	35mm	
Block Depth:	148mm	
Well Depth:	140mm	
Multi-hole Insert:	2 x 4.5mm (0.18"), 2 x 6.4mm (0.25"), 1 x 8mm (0.31"), 1 x 9.5mm (0.37")	

Part Number *Ordering Information*

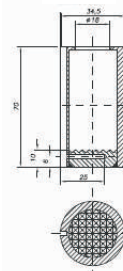
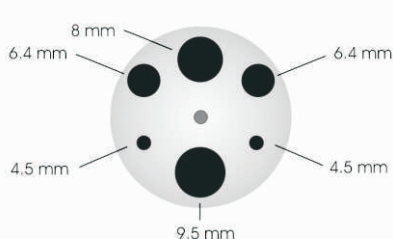
- 20-8177-5** TCS 650 standard unit with 6 hole insert, vinyl carrying case, manual, & Calibration Certificate
- 1 120V 50/60Hz US Plug
 - 2 230V 50/60Hz with Schuko Plug
 - 3 230V 50/60Hz with UK Plug
 - 4 230V 50/60Hz with European Plug
 - 5 100V 50/60Hz with USA/Japan Plug

Accessories

- 21-4693-1** - TCS 650 undrilled metal block insert
- 21-2732-0** - TCS 650 Standard Insert
- 21-5251-6** - TCS 650 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



Standard Insert



Optional Black Body Insert

E Instruments International

www.E-Inst.com

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