



Tecal 1200S High Temperature Portable Calibration Furnace

Calibrate with Confidence with the NEW Tecal 1200S High Temperature Portable Calibration Furnace. When precise temperature control is essential for optimum performance you can count on Techne thermal solutions.

Key Features

- Very economically priced
- Wide temperature range
- Simple to use
- Multi-hole insert block for accurate comparison calibration
- Rapid heating rates
- Software available
- Rugged case with carry handle

The Tecal 1200S Block calibrator utilises a special heater design for optimum temperature uniformity and rapid heating rates. The isothermal block assembly is machined from a special alloy giving excellent thermal conductivity which also resists high-temperature oxidation. This block is designed to optimize performance between sufficient mass for good stability/uniformity but a low enough mass to achieve rapid heating/cooling rates and stabilization periods. The standard fixed block has 4 extra deep immersion test holes accepting Ø8mm probes x 80 mm deep for use with a reference probe typically an R or S type thermocouple or an SPRT.



1200S

Technical Specification

Minimum temperature	150°C
Maximum temperature	1200°C
Display accuracy	±3°C
Temperature uniformity	±0.2°C
Temperature stability	±0.2°C (at 1200°C after 20 mins)
Display resolution	0.1°to 999.9 then 1°to 1200°C Selectable °C or °F
Heating rate, 100°C to 1200°C	20 minutes
Cooling rate, 1200°C to 200°	140 minutes
Large insert size	Ø34mm x 155 mm with 4 off bores Ø8mm x 80 depth
Fan cooling	Automatic
Dimensions H x W x D	350 x 200 x 300mm
Weight	10kg

Ordering Information

FDB1200XS	Tecal 1200 S 230v with RS-232
FDB1200XP	Tecal 1200 S 120v with RS-232

Accessories

FCAL1200	Hard Carry case 1200S
Insert blocks	Ø34 x 155mm long
FINS1200A	Insert Block probe 4x Ø8.0mm (Standard insert)
FINS1200B	Insert Block probe 2xØ3mm,2xØ4mm,2xØ6mm
FINS1200C	Insert Block probe Ø1/8", Ø1/4", Ø3/16", Ø5/16", Ø3/8"
FINS1200D	Insert Block probe 2xØ3/16", 2xØ1/4", 2xØ3/8"
FINS1200E	Insert Block probe 6x Ø1/4"

Ceramic Top insulator

FCER1200A	Insulator A for block 4 x Ø8.0mm (Standard insert) Included with the unit
FCER1200B	Insulator B for block 2 x Ø3mm, 2 x Ø4mm, 2 x Ø6mm
FCER1200C	Insulator C for block Ø1/8", Ø1/4", Ø3/16", Ø5/16", Ø3/8"
FCER1200D	Insulator D for block 2 x Ø3/16", 2 x Ø1/4", 2 x Ø3/8"
FCER1200E	Insulator E for block 6 x Ø1/4"
FCAL1200	Hard carry case 1200S
FCERT1200	UKAS cal cert at 150, 420, 660, 960, 1200°C