



Tecal 1200S High Temperature Portable Calibration Furnace

Calibrate with confidence with the 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

- 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
- NIST Traceable calibration certificate

The Tecal 1200S Calibration Furnace utilizes 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.



1200S

Technical Specifications

Minimum temperature	400°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	Ø1.3" x 6.1"
Fan cooling	Automatic
Dimensions (W x D x H)	20 x 30 x 35 cm
Weight	22 lbs

Ordering Information

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

Accessories

FCAL1200	Hard Carry case 1200S
Insert blocks	Ø1.3" x 6.1" long
FINS1200C	Insert Block probe Ø1/8", Ø1/4", Ø3/16", Ø5/16", Ø3/8"
FINS1200D	Insert Block probe 2x Ø3/16", 2x Ø1/4", 2x Ø3/8"
FINS1200E	Insert Block probe 6x Ø1/4"
Ceramic Top insulator*	
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
5030103	Traceable Calibration at 400, 600, 800, 1,000 & 1,200°C

*Specify appropriate insulator for insert being ordered.