



Tecal 650F

Operating up to 650°C, the Tecal 650F has been designed for high-temperature calibration. Temperature accuracy is $\pm 0.4^{\circ}\text{C}$ and uniformity within $\pm 1^{\circ}\text{C}$ throughout the temperature range.

Technical Specification

High temperature Portable Field Temperature Calibrator

Minimum temperature	25°C above ambient
Maximum temperature	650°C
Temperature accuracy	$\pm 0.4^{\circ}\text{C}$
Temperature uniformity	$\pm 1^{\circ}\text{C}$
Temperature stability	$\pm 0.09^{\circ}\text{C}$ (after 10 mins)
Display resolution	0.01°C or 0.1°F
Set point resolution	0.1°C or 0.1°F
Heating rate, 20°C to 600°C	24 minutes
Cooling rate, 600°C to 200°C	21 minutes
Large well	$\varnothing 38\text{mm} \times 152\text{mm}$ inserts.
Fan cooling	Automatic
Dimensions H x W x D mm	278 x 170 x 300
Weight	9.6 kg

 See page 9 for full range of inserts available

Options

- Inserts from standard list type FINSAB-
- RS-232 interface plus software and cable
- Cooling probe for rapid cooling of block
- Carry case soft
- Carry case hard
- UKAS calibration certificate

Ordering Information

Product Code	Model	Voltage	Hz	Watts	Net Weight (kg)
FDB650FD	Tecal 650F	230v	50/60	1100	9.6
FDB650FP	Tecal 650F	120v	50/60	1100	9.6
FDB650FY	Tecal 650F	100v	50/60	790	9.6
FDB650FR	Tecal 650F with RS-232	230v	50/60	1100	9.6
FDB650FS	Tecal 650F with RS-232	120v	50/60	1100	9.6
FDB650FT	Tecal 650F with RS-232	100v	50/60	790	9.6

The Cooling Probe can be used to rapidly cool the insert – chilled water passes through the probe that fits inserts with 10mm $\varnothing$ hole or larger.

Accessories

Product Code	Model	Net Weight (kg)
FDB00CP	Cooling Probe for 425,650,700X	0.4kg
FCALFCSH	Hard Carry case for 650F	8.2kg
FSC140F	Soft Carry case for 140 + 650F	2.3kg
6104266	RS-232 cable for use relevant units	0.2kg



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