



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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