



## Calibrate with confidence using the Tecal “Field” Range of Dri-Block Calibrators

A new range of lightweight dry-block thermal calibrators that operate from 45°C below ambient up to 650°C has been developed by Techne for convenient use in the field.

The three models in the new Tecal F range incorporate the precision control system used on Techne’s Tecal H and S models to provide excellent reliability and accuracy, with a number of improvements such as an enhanced display resolution of 0.01°C and faster heating and cooling rates.

The Tecal 140F operates between 45°C below ambient (typically -20°C) and 140°C with a temperature accuracy of  $\pm 0.3^\circ\text{C}$  and a temperature uniformity of  $\pm 0.2^\circ\text{C}$ . Heating time to 100°C is five minutes.

All the models are offered with or without RS-232 communications and can be used with a wide range of inserts to suit different probe sizes. Automatic fan cooling is standard, with accelerated cooling probes also available.

## Tecal 140F

### Technical Specification

Low temperature Portable Field Temperature Calibrator	
Minimum temperature	45°C below ambient (typically -20°C in ambient of 25°C)
Maximum temperature	140°C
Temperature accuracy	$\pm 0.3^\circ\text{C}$
Temperature uniformity	$\pm 0.2^\circ\text{C}$
Temperature stability	$\pm 0.05^\circ\text{C}$ (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 100°C	5 minutes
Cooling rate, 100°C to 0°C	9 minutes
Large well	$\varnothing 38\text{mm} \times 114\text{mm}$ inserts
Fan cooling	Automatic
Dimensions HxWxDmm	273 x 207 x 289
Weight	11kg



See page 9 for full range of inserts available

### Options

- Inserts from standard list type FINSAL-
- RS-232 interface plus software and cable
- Carry case soft
- Carry case hard
- UKAS calibration certificate

### Ordering Information

Product Code	Model	Voltage	Hz	Watts	Net Weight (kg)
FDB140FD	Tecal 140F	230v	50/60	400	11
FDB140FP	Tecal 140F	120v	50/60	400	11
FDB140FY	Tecal 140F	100v	50/60	400	11
FDB140FR	Tecal 140F with RS-232	230v	50/60	400	11
FDB140FS	Tecal 140F with RS-232	120v	50/60	400	11
FDB140FT	Tecal 140F with RS-232	100v	50/60	400	11
<b>Accessories</b>					
FCALFCSL	Hard Carry case for 140F				8.2
FSC140F	Soft Carry case for 140 + 650F				2.3
6104266	RS-232 cable for use relevant units				0.2



140F