

# Calibrate with confidence using the *NEW* Tempcal “Field” Range of Dri-Block Calibrators

Following on from many years of experience with the high quality *Tempcal S* and *H* models the new *F* models have been introduced to offer a compact and lightweight, high performance range of Dri-Block temperature calibrators.



## Tempcal 140F

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	±0.3°C
Temperature uniformity	±0.2°C
Temperature stability	±0.05°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	Ø38mm x 114 mm inserts
Fan cooling	Automatic
Dimensions HxWxDmm	273x207x289
Weight	11kg

### Options

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



## Tempcal 425F

Medium temperature Portable Field Temperature Calibrator

Minimum temperature	20°C above ambient
Maximum temperature	425°C
Temperature accuracy	±0.3°C
Temperature uniformity	±0.2°C
Temperature stability	±0.03°C at 200°C (after 10 mins)
Temperature stability	±0.05°C at 425°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 400°C	12 minutes
Cooling rate, 400°C to 100°C	21 minutes
Large well	Ø38mm x 114mm inserts.
Fan cooling	Automatic
Dimensions HxWxDmm	270x170x255
Weight	6.3kg

### Options

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



## Tempcal 650F

High temperature Portable Field Temperature Calibrator

Minimum temperature	25°C above ambient
Maximum temperature	650°C
Temperature accuracy	±0.4°C
Temperature uniformity	±1°C
Temperature stability	±0.09°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	35 minutes
Cooling rate, 600°C to 200°C	30 minutes
Large well	Ø38mm x 152mm inserts.
Fan cooling	Automatic
Dimensions HxWxDmm	278x170x300
Weight	11 kg

### Options

- Inserts from standard list 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

#### Tempcal 140F

FDB140FD	Tecal 140F 230v
FDB140FP	Tecal 140F 120v
FDB140FY	Tecal 140F 100v
FDB140FR	Tecal 140F 230v with RS-232
FDB140FS	Tecal 140F 120v with RS-232
FDB140FT	Tecal 140F 100v with RS-232

#### Tempcal 425F

FDB425FD	Tecal 425F 230v
FDB425FP	Tecal 425F 120v
FDB425FY	Tecal 425F 100v
FDB425FR	Tecal 425F 230v with RS-232
FDB425FS	Tecal 425F 120v with RS-232
FDB425FT	Tecal 425F 100v with RS-232

#### Tempcal 650F

FDB650FD	Tecal 650F 230v
FDB650FP	Tecal 650F 120v
FDB650FY	Tecal 650F 100v
FDB650FR	Tecal 650F 230v with RS-232
FDB650FS	Tecal 650F 120v with RS-232
FDB650FT	Tecal 650F 100v with RS-232

#### INSERTS FOR THE TEMPICAL 140 AND TEMPICAL 425 UNITS

Part No	Description	Net weight kg
FINSALA	Insert 5 x 6mm probes aluminium	0.5
FINSALB	Insert 10 + 8 + 6 + 4.5 + 3mm probes aluminium	0.5
FINSALC	Insert 2 x 6mm + 2 x 10mm probes aluminium	0.5
FINSALD	Insert 2 x 6mm + 2 x 12mm probes aluminium	0.5
FINSALE	Insert 1 x 6mm probe aluminium	0.5
FINSALF	Insert 5 x 1/4" probes aluminium	0.5
FINSALG	Insert 3/8" + 5/16" + 1/4" + 3/16" + 1/8" probe aluminium	0.5
FINSALH	Insert 2 x 3/8" + 2 x 1/4" probes aluminium	0.5
FINSALI	Insert 2 x 1/2" + 2 x 1/4" probes aluminium	0.5
FINSALJ	Insert 1 x 1/4" probe aluminium	0.5
FINSALK	Insert blank aluminium	0.5
FINSALL	Insert 9/16" probe aluminium	0.5
FINSALM	Insert 5/8" probe aluminium	0.5
FINSALN	Insert 11/16" probe aluminium	0.5
FINSALO	Insert 3/4" probe aluminium	0.5
FINSALP	Insert 11 + 9 + 5 + 4 mm probes aluminium	0.5
FINSALQ	Insert 6mm probe aluminium (immersion depth 40mm)	0.5
FINSALR	Insert 6mm + 9mm probes aluminium	0.5
FINSALT	Insert 9 x 3.18mm probes aluminium	0.5
FINSALZ	Insert 20mm probe aluminium	0.5

#### INSERTS FOR THE TEMPICAL 650

FINSABA	Insert 5 x 6mm probes aluminium bronze	1.1
FINSABB	Insert 10 + 8 + 6 + 4.5 + 3mm probes aluminium bronze	1.1
FINSABC	Insert 2 x 6mm + 2 x 10mm probes aluminium bronze	1.1
FINSABD	Insert 2 x 6mm + 2 x 12mm probes aluminium bronze	1.1
FINSABE	Insert 1 x 6mm probe aluminium bronze	1.1
FINSABF	Insert 5 x 1/4" probes aluminium bronze	1.1
FINSABG	Insert 3/8" + 5/16" + 1/4" + 3/16" + 1/8" probes aluminium bronze	1.1
FINSABH	Insert 2 x 3/8" + 2 x 1/4" probes aluminium bronze	1.1
FINSABI	Insert 2 x 1/2" + 2 x 1/4" probes aluminium bronze	1.1
FINSABJ	Insert 1 x 1/4" probe aluminium bronze	1.1
FINSABK	Insert blank aluminium bronze	1.1
FINSABL	Insert 9/16" probe aluminium bronze	1.1
FINSABM	Insert 5/8" probe aluminium bronze	1.1
FINSABN	Insert 11/16" probe aluminium bronze	1.1
FINSABO	Insert 3/4" probe aluminium bronze	1.1
FINSABP	Insert 19.5mm probe aluminium bronze	1.1
FINSABQ	Insert 10/8/6/4/3mm probe aluminium bronze	1.1
FINSABR	Insert 12mm probe aluminium bronze	1.1
FINSABS	Insert 15mm probe aluminium bronze	1.1
FINSABZ	Insert 20mm probe aluminium bronze	1.1

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