

# TM Series Portable Temperature calibrators



## Product features

The TM series is available in 3 models to cover a temperature range from  $-24$  to  $650^{\circ}\text{C}$ . The new block technology allow for fast heating/cooling whilst maintaining high accuracy and stability. The rugged construction and the light weight make it the ideal tool for on-site or on-board calibration.

- Temperature range  $-24$  to  $650\text{ C}$
- 3 separate models
- High stability and accuracy
- Interchangeable multi-hole inserts
- Automatic switch test function
- Automatic Ramp
- 100-240 switching main power
- DNV type approval for use on-board of vessel (T375-M & T650-M)

## Interchangeable Inserts

Multi-holes Interchangeable inserts are used to match the diameter of the sensors under test to fit your application



## Automatic switch test

Set your automatic ramp (slope) with up to  $0.1\text{C}$  per minute rate. The TM series will store for you the contact open and closed. No need for any additional multimeter. Maximize your time and perform other tasks while the TM will do the job for you.



## Fully programmable ramp

Program your ramp, and monitor the temperature sensors from the control panel while the TM is sourcing the temperature in the engine room.

## Adjust and calibrate every where

The TM series is very easy and straight forward to adjust and recalibrate. There is no need of PC or special software. All you need is a reliable reference sensor. Simply place the probe in the calibrator and follow the instruction



## Technical Specifications

	T140-M	T375-M	T650-M
Type Approval		DNV TAA00002CY	DNV TAA00002CY
Temperature			
Temperature Range	-24 to 140 °C	Tamb + 15 to 375 °C	Tamb+15 to 650 °C
Accuracy ( Internal sensor)	±0.25°C @ 100 °C	±0.35°C	±0.5°C
Stability	±0.05 °C	±0.10 °C	±0.3 °C
Block			
Block Diameter	19 mm	26 mm	26 mm
Block Depth	104 mm	150 mm	150 mm
Standard insert supplied	1x4.8mm, 2 x6.4 mm, 1 x 3.3 mm	1 x 11.1mm, 1 x 3.2mm, 1 x4.8mm, 1x6.4mm	1 x 10.5mm, 1x5 mm, 1x7.0mm, 1 x3.2 mm
Display			
Range	-45 to 140 °C	0 to 375 °C	0 to 650 °C
Type	LCD dual line	LCD dual line	LCD dual line
Resolution	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Temperature unit	°C/°F	°C/°F	°C/°F
Heating time ( including stabilization time)	20– to 120C in 20 min	Tamb to 375C in 15 min	50C to 650C in 40 min
Cooling Time ( including stabilization Time)	20C to -20C in 17 min	375C to 50 C in 30 min	650C to 100C in 70 min
Other			
On-board Full programmable Ramp	Yes	Yes	Yes
Switch test function( automatic close/open)	Yes	Yes	Yes
Digital interface	RS232	RS232	RS232
Calibration Certificate ( traceable)	Included	Included	Included
Power Supply	115/230 VAC, 50/60 Hz	115/230 VAC, 50/60 Hz	115/230VAC 50/60 Hz
Power	80W	600W	600 W
Dimension	130 x 260x 280 mm	130x260x280 mm	130x260,x 280 mm
Standard delivery	Temperature calibrator, standard insert, tool for insert removal, switch test leads, instruction manual, calibration certificate		

### Ordering Information

T140M-MK2-EU	T140-M Temperature Calibrator, 100/240V, EU Plug
T375M-MK2-EU	T375-M Temperature Calibrator, 100/240V, EU Plug
T650M-MK2-EU	T650-M Temperature Calibrator 100/240V, EU Plug

### Included:

- Calibrator
- Standard Insert
- Calibration certificate
- Power Cord
- Insert removal tool
- Switch test lead
- Instruction Manual

### Transport cases (Optional)

TMSE-CASE-03 Vinyl Case with pockets and  
shoulder strap  
Shipping size: 450x250x415, 0.7 Kg



TMSE-CASE-01 IP65 ABS Case  
with custom made and document lead  
Shipping size 470x640x330, 3 KG



Eurotron Instruments (UK) Ltd  
Unit 18 Austin Way  
Royal Oak Industrial estate  
NN11 8QY- Daventry  
United Kingdom  
T:+44(0) 1327 871044  
www.ei-uk.com  
sales@eurotron-uk.com

ISO 9001:2015 Certified Company

*Specification subjected to change  
with-out any notice*