



TM 6602 / 6612 / 6630

Handheld thermometer for thermocouples and/or resistive probes with memory

Representative



特旺通科藝私營有限公司
THERMOTRON-CE TECHNOLOGY PTE LTD

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TM thermometers are the perfect field tools for daily maintenance and commissioning of temperature probes at 0.02% accuracy.

Description

Easy-to-use and equipped with a large graphical display, TM thermometers are the perfect field tools for daily maintenance and commissioning of temperature probes. 3 models are available with 0.02% accuracy as follows:

TM 6602 for thermocouple measurement

TM 6612 for RTD measurement

TM 6630 for both thermocouple and RTD measurement

With a very low temperature coefficient (10 ppm/°C in thermocouples and 7ppm/°C in resistance), IP54 protection and robust design, TM thermometers are suitable for onsite use even in demanding environmental conditions. They are widely used in the energy field, engineering sector, metal industry and automotive field.

TM thermometers use a graphical interface making programming and reading easier, under graphical or test format. Due to memory feature (10,000 values) and extended functionalities (corrections of calibrated sensors, statistical functions...), TM are well adapted to different process job procedures and ensure full data traceability as well as advanced data exploitation. Use them together with DATACAL calibration software to display, manage data and issue your own customized calibration certificates.

TM thermometers are delivered with 4 alkaline AA batteries in standard. The optional battery charger used a rechargeable battery.

Key features:

- High accuracy: 0.02% reading with an adjustable resolution of 1 μV (TM 6602 / 6630) and 1 $\text{m}\Omega$ (TM 6612 / 6630)
- Values displayed in °C, °F, mV and Ω
- Low temperature coefficient: 10 ppm /°C for thermocouples and 7 ppm/°C for resistance
- Measurements with HOLD function
- Correction of calibrated sensors
- Display of minimum, maximum and average value
- Backlight
- 10,000 values stored and displayed graphically

Models and accessories

Instruments:

TM 6602 Handheld thermometer for thermocouples with memory
Delivered in standard with:

- User manual
- 4 AA batteries
- Protection sheath
- Carrying strap
- Factory test report

TM 6612 Handheld thermometer for resistive probes with memory
Delivered in standard with:

- User manual
- 4 AA batteries
- Protection sheath
- Carrying strap
- Factory test report

TM 6630 Handheld thermometer for thermocouples and resistive probes with memory
Delivered in standard with:

- User manual
- 4 AA batteries
- Protection sheath
- Carrying strap
- Factory test report

Accessories:

AC6908 Soft carrying case for hand-held instruments
AN6011 Charger + batteries for hand-held instruments
ER 49519-000 USB cable mini B

Probes for TM 6602 / 6630:

ER 48145-130 Male compensated plug type T
ER 48145-140 Male compensated plug type J
ER 48145-150 Male compensated plug type S
ER 48145-160 Male compensated plug type K
ACC-A-R Male compensated plug type LNRBEUC or D
T101 Flexible type K sensor
T102 Rigid K type sensor
T104 Soft K sensor
T105 Penetration K sensor
T106 Surface K sensor
T703A Surface temp. sensor K couple
T704 Surface K sensor + springplate

Probes for TM 6612 / 6630:

ER48493-000 4-pin LEMO connector for Pt100*
S101E Pt100 environment sensor
S102E Pt100 immersion sensor
S103E Flexible housing sensor
*This accessory is necessary for RTDs with bare wires

Software:

DATA CAL TCTM Calibration software for TC / TM series
Supplied with USB cable mini B

Certification:

QMA11EN COFRAC certificate of calibration
With all relevant data points where the device has been tested

Packing information:

Size 157 x 85 x 45 mm
Weight without packing 306 g

