

Hand Held Digital Thermometers

(Pt 100/1000)



MH 175
(Pt 1000/2)



MH 3710/3750
(Pt 100/4)

FEATURES : MH 175

- » Digital temperature measuring instrument for use with Pt1000 exchangeable sensors
- » Measurement input : 1 x jack-socket for Pt1000/2 wire
- » Highly accurate & sensitive for low temp. measurement.
- » A range of sensors to suit different applications.

SPECIFICATION

Measuring range	: -70.0....199.9°C / 0.1°C
Resolution	: 0.1°C
Accuracy (at 25°C)	: +/- 0.1 % F.S. +/- 1 digit
Display	: 3 1/2 digit LCD, 13mm high
Power supply	: 9V battery and additional DC connector, for only external power supply unit 12VDC, LOW battery display Battery life approx. 200 operating hrs.
Housing (front)	: robust ABS plastic, pop up clip, IP 65 soft keyboard : ON/OFF
Dimensions/weight	: 142 x 71 x 26 mm (H x W x D), 160 g incl. battery
Working temperature	: -30°C to +45°C
Storage temperature	: -30°C to +70°C
Humidity	: 0 to 80% (non-condensing)

Pt 100/1000 Thermometers are most suitable for very low temperature measurements. The accuracy and precision of these thermometers is unmatched in low temperatures applications.

FEATURES: MH 3710/3750

- Measuring input** : 1x4 pole mini-din-socket for Pt100/4 wire
- Output** : 3.5 mm audio plug, Stereo. Selectable as serial interface or analogue output
S/W EBS9M/Soft 3050 is available for data transfer
- Analog output** : 0-1 volt, freely scaleable, ±0.05%
- Min. Max memory** : Both max. & min. value are memorized
- Hold function** : Press button to store current value
- Auto off** : Device will automatically switch off if no key is pressed/ no interface communication takes place for time of power-off delay. The power-off delay can be set between 1 and 120 min.

SPECIFICATION

Measuring range	: -199.99....199.99°C / 0.01°C 200.0 °C....850 °C / 0.1 °C
Accuracy (at 25°C)	: ± 0.03°C ± 1 digit at resolution 0.01°C ± 0.1°C ± 1 digit at resolution 0.1°C
Temperature drift	: 0.002°C/°C
Display	: two 4½ digits multifunctional-LCD display with °C and °F (switchable)
Power supply	: 9V battery and additional DC connector only for external power supply unit 12VDC LOW battery display
Dimensions	: 142x71x26mm (HxWxD), 160g incl. battery
Storage temp.	: -25°C to +70°C
Working temp.	: -25°C to +50°C
Humidity	: 0-95% (non-condensing)

ADDITIONAL SPECIFICATION : MH 3750

Logger, alarm and clock functions are additional features of MH 3750

Logger functions

- STORE** : 99 data sets (temp.1, time and date)
manual data set reading via keystroke
- CYCLE** : 16,200 data sets (temp1)
automatic data set reading in the set interval adjustable measurement interval
: 1sec..60 min.

Min/Max alarm : The measuring value is constantly monitored for min & max rates set. Alarming is done by integrated horn, display and interface

Real time clock : Integrated clock with date and year