

THERMOMETER/DATALOGGER WITH PT100 AND THERMOCOUPLE INPUT



HIGHLIGHTS:

- Input for Pt100 sensor (SICRAM plug) and thermocouple
- Data logger function
- USB connection and software for realtime monitoring

SUITABLE THERMOCOUPLES OF TYPE K, J, T, N, E AND CORRESPONDING SENSOR SPECIFICATIONS STARTING ON PAGE 32

HD 2178.2

Art. no. 474932

Thermometer with two inputs (1 x Pt100, 1x thermocouple) and logger

General:

The HD2178.2 can be used with Pt 100 sensors and with thermocouples. Pt 100 sensors with SICRAM plugs (8-pin DIN 45326 plug) can be connected to connection B. The SICRAM plug already has all of the sensor data, including serial number and calibration data. A thermocouple of the type K, J, T, N and E with miniature flat plug can be connected to connection A. The data logger stores up to 80,000 measurements, which can be transferred conveniently via USB cable and supplied software. Battery operation, large display and durability make the HD2178.2 a perfect all-rounder. Of course, the HD2178.2 also offers MAX, MIN, AVG, REL and HOLD functions.

Application:

With the large variety of available sensors (as contact, immersion, insertion or air temperature sensors), a multitude of applications in the widest range of sectors opens up.

Specifications:

Display:	LCD, 52 x 42 mm
Operating temperature:	-5 ... +50 °C (Instrument)
Protection rating:	IP 66
Power supply:	4 batteries 1.5 V type AA (Optional mains adapter)
Unit of measurement:	°C or °F
Security of stored data:	Unlimited, independent of battery charge conditions
Measured values storage:	2000 pages each one containing 40 samples, quantity 80000 samples in total
Storage interval:	1, 5, 10, 15, 30 s; 1, 2, 5, 10, 15, 20, 30 min; 1 h
USB interface:	USB 2.0, type B mini USB connection
Housing:	Material: ABS plastic, rubber
Dimensions:	185 x 90 x 40 mm
Weight:	470 g (complete with batteries)
Scope of supply:	Device including batteries, case for HD 2178.2, DeltaLog 9 software. Measuring probes, connecting cable and mains adapter are not included in the scope of supply.

Pt100 sensor with SICRAM plug selection
(Additional versions available on request, including ball temperature)

Example: TP 472 I (immersion sensor)



Immersion probe, -196 ... +500 °C, ±0.25 °C (-196 ... +300 °C), ø 3mm, sensor length 300 mm, cable length 2 m

Accessories and spare parts:

CP23

Art. no. 475163

USB connection cable, USB 2.0, Mini USB socket type B

SWD10

Art. no. 700039

Plug in power supply for devices of the HD-handhelds, 12 V DC 1.0 A

Recommended accessories (PT100 sensor with SICRAM plug):

additional type K probes (NiCr-Ni) p.r.t. page from 31

TP 472 I

Art. no. 475642

Immersion probe Ø3 mm, FL = 300 mm, -196 ... +500 °C, Pt100, cable length 2 m, measuring range: -196 ... +500 °C, Accuracy: ±0.25 °C (-196 ... +300 °C), ±0.5 °C (+300 ... +500 °C)

TP 472 I.0

Art. no. 415039

Immersion probe, Pt100, Ø 3 mm, length 230 mm, cable length 2 m, measuring range: -50 ... +300 °C, Accuracy: ±0.25 °C (-50 ... +300 °C)

TP 473 P.I

Art. no. 475643

Insertion probe Ø4 mm, FL = 150 mm, -50 ... +400 °C, Pt100, cable length 2 m, Measuring range: -50 ... +400 °C, Accuracy: ±0.25 °C (-50 ... +300 °C), ±0.5 °C (+300 ... +400 °C)

TP 473 P.O

Art. no. 475644

Insertion probe Ø4 mm, FL = 150 mm, -50 ... +300 °C, Pt100, cable length 2 m, Measuring range: -50 ... +300 °C, Accuracy: ±0.25 °C (-50 ... +300 °C)

TP 474 C.O

Art. no. 475645

Surface probe, frontal contact surface 5 mm, Pt100, Ø 4 mm, length 230 mm, cable length 2 m, Measuring range: -50 ... +300 °C, Accuracy: ±0.3 °C (-50 ... +300 °C)

TO 475 A.0

Art. no. 475646

Air probe Ø4 mm for clean media, Pt100, length 230 mm, cable length 2 m, Measuring range: -50 ... +250 °C, Accuracy: ±0.3 °C (-50 ... +250 °C)

TP47

Art. no. 475648

Sicram Plug for connection of Pt sensors, without SICRAM connection (4-wire direct Pt 100, 2-wire Pt 1000)