Digital Portable RTD Thermometers/Datalogger

The HD2107.1 & HD2107.2 are protable instruments with a large LCD display. They measure the temperature using Pt100 or Pt1000 immersion, penetration, contact or air probes. The sensor can be a Pt100 3 or 4 wires, Pt1000, Ni1000 or NTC 2 wires. The probes are fitted with an automatic detection module, with the factory calibration setting already being memorized inside.

The HD2107.2 instrument is a datalogger. It memorizes up to 80,000 samples which can be transferred from the instrument connected to a PC via the multi-standard RS232C serial port and USB 2.0. The storing interval, printing, and baud rate can be configured using the menu.

The HD2107.1 & HD2107.2 models are fitted with an RS232C serial port & can transfer the acquired measurements in real time to a PC or to a portable printer. The *Max, Min* and *Avg* function calculate the maximum, minimum or average values.

Other functions includes : the relative measurement REL, the HOLD function, & the automatic turning off that can also be disabled.

SPECIFICATION :

• **Display**	2 x 4 ½ digits plus symbols Visible area : 52 x 42 mm
• **PT-100 measurement range**	-200 to + 650°C
• **PT-1000 measurement range**	-200 to + 650°C
• **Ni-1000 measurement range**	-50 to + 250°C
• **NTC measurement range**	-30 to + 120°C
• **Resolution**	0.01°C in the range 199.99°C 0.1°C in the remaining field
• **Accuracy**	0.01°C
• **Measuring Unit**	°C - °F - °K
• **Drift after 1 year**	0.1°C/ year
• **Memory**	Total of 80,000 samples
• **Storage Interval**	Configurable from 1S to 3600S
• **Print Interval**	Configurable from 1S to 3600S
• **Data Transfer Rate**	Configurable from 1200 to 38400 baud
• **Input module for the probes**	8–pole male Din 45326 connector
• **Serial Interface & USB**	8-pole Mini Din Connector
• **Operating temperature**	-5 to 50°C
• **Storaging temperature**	-25 to 65°C
• **Working relative humidity**	0 to 90% RH without condensation
• **Protection degree**	IP67
• **Dimensions (Length x Width x Height)**	185 × 90 × 40 mm

Note : Required Temperature Sensor to be ordered separately.

- **weight**   **:**   470g (Complete with batteries)
- **Materials**   **:**   ABS
- **Batteries**   **:** 4×1.5 V type AA batteries
- **Autonomy**   **:**   200 hours with 1800 mAh alkaline batteries
  Power absorbed with instrument off $20\mu A$

HD 2101 / USB

HD 2110 / CSNM

S' print - BT

ORDER CODES :

HD2107.1K   **:**   The kit is composed of the instrument HD2107.1, connection cable for serial output HD2110CSNM, 4×1.5V alkaline batteries, operating manual, case and DeltaLog9 software. **The probes must be ordered separately.**

HD2107.2K   **:**   The kit is composed of the HD2107.2 **datalogger,** connection cable HD2101/USB, 4×1.5V alkaline batteries, operating manual, case and DeltaLog9 software. **The probes must be ordered separately.**

HD2110CSNM **:**   8-pole connection cable MiniDin - Sub D 9-pole female for RS232C.

HD2101/USB   **:**   Connection cable USB 2.0 connector type A - 8-pole MiniDin.

DeltaLog9   **:**   Software for download and management of the data on PC using Windows 98 to XP operating systems.

AF209,60   **:**   Stabilized power supply at 230Vac/9Vdc - 300mA mains voltage.

S'print-BT   **:**   On request, portable, serial input, 24 column thermal printer, 58mm paper width.

Interface Module for Temperature Sensor :

TP47   **:**   Only connector for probe connection : Pt100 direct 3 and 4 wires, Pt1000 2 wires and Ni1000 2 wire.