

Temperature Dataloggers

Model : HD2108.1 & HD2108.2
HD2128.1 & HD2128.2



The HD2108.1 & HD2108.2 with one input and the HD2128.1 & HD2128.2 with two inputs are portable instruments with a large LCD display. The sensor may be a thermocouple of type K, J, T, N, R, S, B or E.

The HD2108.2 & HD2128.2 instruments are dataloggers. The HD2108.1 memorizes up to 76,000 samples, the HD2128.2 up to 38,000 pairs of values. These data can be transferred from the instrument connected to a PC via the multi-standard RS232C serial port & USB 2.0. The storing interval, printing, and baud rate can be configured using the menu.

The Max, Min and Avg. function calculate the maximum, minimum or average values. Other functions include: the relative measurement REL, the HOLD function, & the automatic turning off that can also be disabled. The HD2128.1 & HD2128.2 calculate the A-B difference of the temperatures captured by the two input channels. The instruments have IP67 protection degree.

INSTRUMENT TECHNICAL CHARACTERISTICS

Instrument

Display	2x4½ digits plus symbols Visible area: 52x42mm
Measuring unit	°C - °F - °K - mV - mV°C
Dimensions (L x W x H)	185x90x40mm
Weight	470g (complete with batteries)
Materials	ABS, rubber

Operating Conditions

Operating temperature	-5...50°C
Warehouse temperature	-25...65°C
Working relative humidity	0...90%RH without condensation
Protection degree	IP67

Power

Batteries	4x1.5V type AA batteries
Autonomy	200 hours with 1800 mAh alkaline batteries
Power Absorbed with instrument off	20µA
Mains	Output mains adapter 9Vdc / 250mA

Measured Values Storage

Type-Model	HD2108.2	2000 pages containing 38 samples each Total of 76,000 samples
Type-Model	HD2128.2	2000 pages containing 19 samples each Total of 38,000 samples
Storage interval		1s...3600s (1hour)

Serial interface RS232C

Type	RS232C electrically isolated
Baud rate	Can be set from 1200 to 38400 baud
Serial cable length	Max 15m
Immediate print interval	1s...3600s (1hour)

USB interface - model HD2108.2 and HD2128.2

Type	1.1 ~ 2.0 electrical isolated
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Connections

Input module for the probes	2-pole female polarized standard miniature connector
Serial interface & USB	8-pole MiniDin Connector
Mains adapter	2-pole connector (positive at centre)



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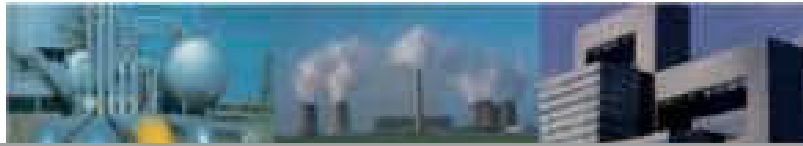
An ISO 9001: 2015 Certified Company & NABL Accredited Calibration Laboratory as per ISO/IEC 17025:2017

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Measurement of Temperature by Instrument

TC measurement range : K	-200...+1370°
TC measurement range : J	-100...+750°C
TC measurement range : T	-200...+400°C
TC measurement range : N	-200...+1300°C
TC measurement range : R	+200...+1480°C
TC measurement range : S	+200...+1480°C
TC measurement range : B	+200...+1800°C
TC measurement range : E	-200...+750°C

Resolution

0.05°C up to 199.95°C
0.1°C from 200.0°C to the full scale

TC measurement range : K	±0.1°C up to 600°C ±0.2°C over 600°C
TC measurement range : J	±0.05°C up to 400°C ±0.1°C over 400°C
TC measurement range : T	±0.1°C
TC measurement range : N	±0.1°C up to 600°C ±0.2°C over 600°C
TC measurement range : R	±0.25°C
TC measurement range : S	±0.3°C
TC measurement range : B	±0.35°C
TC measurement range : E	±0.1°C up to 300°C ±0.15°C over 300°C

	HD2108.1	HD2108.2	HD2128.1	HD2128.2
TC Inputs :	1	1	2	2
Storage capacity	----	76,000 samples	----	38,000 temperature pairs
PC interface	RS232C	RS232C + USB2.0	RS232C	RS232C + USB2.0
Datalogger	NO	YES	NO	YES
A - B function	NO	NO	YES	YES

Order Codes :

- HD2108.1K : The kit is composed of the instrument HD2108.1 with one input, connection cable for serial output HD2110CSNM, 4×1.5V alkaline batteries, operating manual, case and DeltaLog9 software. The probes must be ordered separately .
- HD2108.2K : The kit is composed of the HD2108.2 datalogger, connection cable HD2101/USB, 4×1.5V alkaline batteries, operating manual, case and DeltaLog9 software. The probes must be ordered separately .
- HD 2128.1K : The kit is composed of the instrument HD 2128.1 with two inputs. connection cable for serial output HD2110CSNM. 4 × 1.5V alkaline batteries, operating manual, case and DeltaLog9 software. The probes must be ordered separately .
- HD 2128.2K : The kit is composed of the HD 2128.2 with two inputs, datalogger, connection cable HD 2101/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 230V ac/9Vdc - 300mA mains voltage.
- S'print-BT : On request, portable, serial input, 24 column thermal printer, 58mm paper width.