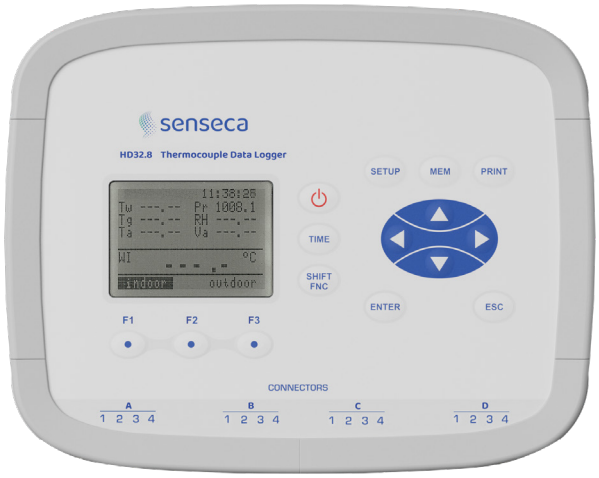
HD32.8.8 - HD32.8.16



HD32.8.8 / HD32.8.16 - 8 OR 16 INPUTS DATA LOGGER FOR THERMOCOUPLES

The HD32.8.8 and HD32.8.16 are two robusts data loggers with 8 inputs (HD32.8.8) or 16 inputs (HD32.8.16) for K, J, T, N, R, S, B and E type thermocouple with miniature connector temperature probes. During the measuring phase, the connected probes must be of the same type.
The captured data can be displayed and processed on the PC using the DeltaLog9 software. The instrument has a total capacity of 800,000 acquisitions to be divided among all the present inputs. Storage can be managed in two ways: when the available memory is full, data are overwritten by starting from the oldest ones (circular memory), otherwise storage stops when the available memory is full. Maximum, minimum or average of the stored values are calculated.

Technical specifications	
Number of inputs	8 for HD32.8.8 16 for HD32.8.16
Measuring range and accuracy of the instrument. Accuracy is referred to the instrument only, error due to the thermocouple or the cold junction reference sensor is not included	
Thermocouple K	-200...+1370 °C | ±0.1 °C up to 600 °C / ±0.2°C over 600 °C
Thermocouple J	-100...+750 °C | ±0.1°C up to 400 °C / ±0.2°C over 400 °C
Thermocouple T	-200...+400 °C | ±0.1 °C
Thermocouple N	-200...+1300 °C | ±0.1 °C up to 600 °C / ±0.2 °C over 600 °C
Thermocouple R	+200...+1480 °C | ±0.3 °C
Thermocouple S	+200...+1480 °C | ±0.3 °C
Thermocouple B	+200...+1800 °C | ±0.4 °C
Thermocouple E	-200...+750 °C ±0.1 °C up to 300 °C / ±0.2°C over 300 °C
Resolution	0.05 °C (in the range ±199.99 °C) 0.1 °C in the remaing range
Drift in temperature @20°C	0.02% / °C
Drift after 1 year	0.1°C / year
Internal watch accuracy	1min/month max drift
Unit of measurement	°C - °F - K configurable
Memory capacity	up to 800,000 acqusitions to be divided among all the present inputs max 64 logging session
Data Logging	istantaneous or delayed, with the possibility of selecting the storage start and end time.
Storage interval can be selected among	2,5,10,15,30 s; 1,2,5,10,15,20,30 min.; 1 hour
Data download	RS232C from 1200 to 38,400 baud, galvanically isolated. Sub D 9-pole male connector. USB 1.1 - 2.0 galvanically isolated.
Security of stored data	unlimited
Power Supply	4 per 1.5V alkaline batteries type C-BABY External 12Vdc-1A power supply. Connector, external Ø 5.5 mm, internal Ø 2.1 mm. Power supply via the PC USB port.
Current consumption @6Vdc	<60µA when the instrumen is off <60µA in sleep mode with all probes connected <40mA during data logging with all probes connected
Voltage insulation	60 V between inputs 500V between inputs and power supply
Autonomy	200 hours with 7800mAh alkaline batteries and all probes connected
Connection	Miniature female socket for thermocouple
Operating conditions	
Operating Temperature	-5...50 °C
Storage temperature	-25 ... 65 °C
Working RH	0 ... 90 %RH, no condensation
Protection degree	IP64
General Characteristics	
Dimensions (L x W x H)	220 x 180 x 50 mm
Weight	1100 g (complete with batteries)
Materials	ABS, polycarbonate and aluminium
Display	Backlit graphic LCD 128 x 64 pixel
Keyboard	15 keys configurable also without PC. Security password for keyboard locking

ORDERING CODES

Instruments are supplied with: per 1.5Vdc alkaline C-Baby type batteries, instruction manual, software Deltalog9 downloadable from website and support/transport strap.
All thermocouples K, J. T, N, R, S, B and E type probes with male miniature connector can be connected.

HD32.8.8: Data logger with 8 inputs for thermocouples.
HD32.8.16: Data logger with 16 inputs for thermocouples.
9CPRS232: Sub D 9-pole Female/Female RS232 null-modem cable.
CP22: USB 2.0 connection cable connector type A - type B.
BAG32.2: Carrying case for instrument and accessories.
HD32CS: Support and transport strap.
SWD10: 100-240Vac/12Vdc-1A stabilized mains power supply.
VTRAP: Floor-standing tripod. Maximum height: 1310 mm.
SP32TC.8: Holder for 8 probes.

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