

TEMPERATURE WIRELESS DATA LOGGER



TEMPERATURE AND HUMIDITY WIRELESS DATA LOGGER



Picture shows HD35ED-L-1N-TVI-E with display

HD35ED-O-N-TV-E

Art. no. 608705
Temperature wireless data logger with fixed vertical probe, without display

HD35ED-L-N-TV-E

Art. no. 609448
Temperature wireless data logger with fixed vertical probe, with display

General:

HD35ED-O-N-TV-E stores the measures in its internal memory (68,000 samples) and transmits the logged data to the base unit automatically at regular intervals or upon request. Temperature fixed vertical probe with NTC 10 KΩ temperature sensor. Acoustic alarm with internal buzzer. Configuration via HD35-AP-S software. Powered by the internal battery. Wall mount removable (by using the included support) or fixed (with optional flanges) installation.

Specifications:

Temperature	
Sensor:	NTC 10 KΩ @ 25 °C
Measuring ranges:	-40 ... +105 °C
Resolution:	0.1 °C
Accuracy:	±0.3 °C in the range 0 ... +70 °C ±0.4 °C outside

Instrument

Transmission frequency:	868 MHz
Transmission range:	300 m (E, J) / 180 m (U) in open field (can be reduced in presence of obstacles or adverse atmospheric conditions)
Logging interval:	1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Power supply:	Non rechargeable lithium thionil chloride (Li-SOCl ₂) internal battery, 3.6 V, AA format, 2-pole Molex 5264 connector
Battery life:	2 years typical (without repeaters, measurement interval 5 s and log interval 30 s)
Operating conditions:	-20 ... +70 °C / 0 ... 85 % RH non condensing
Dimensions:	135 x 144 x 33 mm (H x W x D)
Housing:	LURAN® S 777K
Protection degree:	IP 64
Scope of supply:	Device, battery HD35-BAT1, wall mount support HD35-03; For configuration a basic unit HD35-AP-... (see page 156/157) is required.

Accessories p.r.t. page 163

HD35ED-0-1N-TVI-E

Art. no. 608703
Temperature and humidity wireless data logger with T / RH fixed vertical probe, without display

HD35ED-L-1N-TVI-E

Art. no. 608640
Temperature and humidity wireless data logger with T / RH fixed vertical probe, with display

General:

HD35ED-...-1N-TVI-E stores the measures in its internal memory (24,000 samples) and transmits the logged data to the base unit automatically at regular intervals or upon request. Temperature and relative humidity fixed vertical probe with temperature sensor integrated in the R.H. module. Calculated quantities: dew point, wet bulb temperature, absolute humidity, mixing ratio, partial vapour pressure. Acoustic alarm with internal buzzer. Configuration via HD35-AP-S software or front keyboard (only version with LCD). Powered by the internal battery. Wall mount removable (by using the included support) or fixed (with optional flanges) installation.

Specifications:

Humidity	
Sensor:	Capacitive
Measuring ranges:	0 ... 100 % RH
Resolution:	0.1 % RH
Accuracy (@ 23 °C):	±1.8 % RH (0 ... 80 % RH) ±[1.8 + 0.11 * (RH - 80)] % RH (remaining range)

Sensor

Working temperature:	-40 ... +105 °C (RH max=[100 ² *(T-80)] @ T= 80 ... 105 °C)
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Temperature

Sensor:	Sensor integrated in humidity module
Measuring ranges:	-40 ... +105 °C
Resolution:	0.1 °C
Accuracy:	±0.2 °C in the range 0 ... +60 °C ±(0.2 - 0.05 * T) °C in the range T=-40 ... 0 °C ±[0.2 + 0.032 * (T-60)] °C in the range T=+60 ... +105 °C

Instrument

Transmission frequency:	868 MHz
Transmission range:	300 m (E, J) / 180 m (U) in open field (can be reduced in presence of obstacles or adverse atmospheric conditions)
Logging interval:	1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Power supply:	Non rechargeable lithium thionil chloride (Li-SOCl ₂) internal battery, 3.6 V, AA format, 2-pole Molex 5264 connector
Battery life:	2 years typical (without repeaters, measurement interval 5 s and log interval 30 s)
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Accessories p.r.t. page 163

HANDHELD INSTRUMENT

DISPLAY / CONTROLLER

LOGGER- / BUS SYSTEMS

TRANSMITTER

TEMPERATURE PROBE

ALARM / PROTECTION, LEVEL