TEMPERATURE WIRELESS DATA LOGGER

HD35ED

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Melte,

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HD35ED-O-N-IV-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 K Ω 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 thyonil 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

TEMPERATURE AND HUMIDITY WIRELESS DATA LOGGER



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

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 $\mathsf{T}/\mathsf{R}\mathsf{H}$ 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.

Humidity Capacitive Sensor: Capacitive Measuring ranges: 0100 % RH Resolution: 0.1 % RH Accuracy (@ 23 °C): ±1.8 % RH (0 80 % RH) ±1.8 + 0.11 * (RH - 80)] % RH (remaining range) Sensor 40 + 105 °C (RH max=[100 ^{-2*} (T-80)] @ T= 80 105 °C) Temperature -40 + 105 °C (RH max=[100 ^{-2*} (T-80)] @ T= 80 105 °C) Measuring ranges: -40 + 105 °C Measuring ranges: -40 + 105 °C Resolution: 0.1 °C Measuring ranges: +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	Specifications:	
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 vorking temperature: Working temperature: -40 +105 °C (RH max=[100 ^{-2*} (T-80)] @ T= 80 105 °C) Temperature Sensor: 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 - 0.05 * T) °C in the range T=-40 0 °C ±(0.2 - 0.05 * T) °C in the range T=-40 0 °C ±(0.2 - 0.05 * T) °C in the range T=-40 0 °C ±(0.2 - 0.05 * T) °C in the range T=-40 0 °C Instrument Transmission frequency: 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 thyonil chloride (Li-SOCL) internal battery, 3.6V, AA format, 2-pole Molex 5264 connector Battery life: 2 years typical (without repeaters, measurement interval 5 s and log interval 30 s) Operating con	Humidity	
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