**TEMPERATURE WIRELESS DATA LOGGER** 

HD35ED

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Melte,

00100

#### 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 $\Omega$  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:	$\pm 0.3$ °C in the range 0 +70 °C $\pm 0.4$ °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 <sub>2</sub> ) 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)
<b>Operating conditions:</b>	-20 +70 °C / 0 85 % RH non condensing
Dimensions:	135 x 144 x 33 mm (H x W x D)
Housing:	LURAN <sup>®</sup> 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 <sup>-2*</sup> (T-80)] @ T= 80 105 °C)       Temperature     -40 + 105 °C (RH max=[100 <sup>-2*</sup> (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 <sup>-2*</sup> (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	
Resolution: $0.1 \%$ RHAccuracy (@ 23 °C): $\pm 1.8 \%$ RH (0 80 % RH) $\pm [1.8 + 0.11*$ (RH -80)] % RH (remaining range)SensorWorking temperature: $-40 + 105 °C$ (RH max= $[100^{-2*}(T-80)] @ T= 80 105 °C)TemperatureSensor:Sensor integrated in humidity moduleMeasuring ranges:-40 + 105 °C (RH max=[100^{-2*}(T-80)] @ T= 80 105 °C)Resolution:0.1 °CAccuracy:\pm 0.2 °C in the range 0 + 60 °C\pm (0.2 - 0.05 * T) °C in the range T=-40 0 °C\pm [0.2 + 0.032 * (T-60)] °C in the range T=+60 + 105 °CInstrumentSong on (E, J) / 180 m (U) in open field (can be reduced in presence of obstacles or adverse atmospheric conditions)Logging interval:1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 minPower supply:Non rechargeable lithium thyonil chloride (Li-SOCL) internalbattery, 3.6 V, AA format, 2-pole Molex 5264 connectorBattery life:2 years typical (without repeaters, measurement interval 5 sand log interval 30 s)Operating conditions:-20 + 70 °C / 0 85 % RH non condensingDimensions:135 x 144 x 33 mm (H x W x D)Housing:LURAN* S 777KProtection degree:IP 64Scope of supply:Device, battery HD35-BAT1, wall mount support HD35-03; Forconfiguration a basic unit HD35-AP (see page 156/157) is$	Sensor:	Capacitive
Accuracy (@ 23 °C): $\pm 1.8 \% RH (0 80 \% RH) \pm [1.8 + 0.11 * (RH - 80)] \% RH (remaining range)SensorWorking temperature:-40 +105 °C (RH max=[100-2*(T-80)] @ T= 80 105 °C)TemperatureSensor:Sensor integrated in humidity moduleMeasuring ranges:-40 +105 °CResolution:0.1 °CAccuracy:\pm 0.2 °C in the range 0 +60 °C\pm (0.2 - 0.05 * T) °C in the range T=-40 0 °C\pm (0.2 - 0.05 * T) °C in the range T=-40 0 °C\pm (0.2 + 0.032 * (T-60)] °C in the range T=+60 +105 °CInstrumentTransmission frequency:868 MHzTransmission range:300 m (E, J) / 180 m (U) in open field (can be reduced in presence of obstacles or adverse atmospheric conditions)Logging interval:1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 minPower supply:Non rechargeable lithium thyonil chloride (Li-SOCl2) internal battery, 3.6 V, AA format, 2-pole Molex 5264 connectorBattery life:2 years typical (without repeaters, measurement interval 5 s and log interval 30 s)Operating conditions:-20 +70 °C / 0 85 % RH non condensingDimensions:135 x 144 x 33 mm (H x W x D)Housing:LURAN* S 777KProtection degree:IP 64Scope of supply:Device, battery HD35-BAT1, wall mount support HD35-03; For configuration a basic unit HD35-AP (see page 156/157) is$	Measuring ranges:	0 100 % RH
±[1.8 + 0.11 * (RH - 80)] % RH (remaining range)       Sensor       Working temperature:     -40 + 105 °C (RH max=[100 <sup>-2*</sup> (T-80)] @ T= 80 105 °C)       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 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 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 p	Resolution:	0.1 % RH
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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	Battery life:	
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	Operating conditions:	-20 +70 °C / 0 85 % RH non condensing
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configuration a basic unit HD35-AP (see page 156/157) is	Protection degree:	IP 64
	Scope of supply:	configuration a basic unit HD35-AP (see page 156/157) is

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