

WATERPROOF WIRELESS DATA LOGGER WITH FOUR TERMINAL
 HEADER INPUTS



HD35ED-W-H-E

Art. no. 608638
 Waterproof wireless data logger with four terminal header inputs for standard sensors, without display

General:
 Wireless data logger with four terminal header inputs for the connection of transmitters with 4 ... 20 mA, 0 ... 1/0 ... 10 V or 0 ... 50 mV output, Pt100/Pt1000 sensors, K, J, T, N, E thermocouples, sensors with voltage free contact output (max. one sensor) and potentiometric sensors. IP 67 waterproof housing. It stores the measures in its internal memory (from 28,000 to 58,000 samples depending on the number and type of connected sensors) and transmits the logged data to the base unit automatically at regular intervals or upon request. Acoustic alarm with internal buzzer. Configuration via HD35-AP-S software. Powered by the internal battery or external 7... 28 V dc power supply (option E). Installation: wall mounting with HD35-24W flange (optional)

Specifications:	
Pt100/Pt1000	
Measuring ranges:	-200 ... +650 °C
Resolution:	0.1 °C
Accuracy:	±0.1 °C (Ausschluss Sondenfehler)
Connection:	2, 3 or 4 wires
Thermocouple	
Measuring ranges:	K: -200 ... +1.370 °C E: -200 ... +750 °C N: -200 ... +1.300 °C
Resolution:	0.1 °C
Accuracy (excluding probe error):	K: ±0.1 °C (<600 °C) E: ±0.2 °C (>600 °C) N: ±0.1 °C (<600 °C) J: ±0.1 °C (>300 °C) T: ±0.1 °C (>600 °C)
Input 0/4 ... 20 mA	
Shunt resistance:	Internal (50 Ω)
Resolution:	16 bit
Accuracy:	±2 µA
Voltage Input	
Input resistance:	100 MΩ
Resolution:	16 bit
Accuracy:	±0.01 % f.s.
Voltage-free contact	
Switching frequency:	50 Hz max.
Potentiometer	
Value:	Typical 10 kΩ
Resolution:	16 bit
Accuracy:	±0.01 % f.s.
Instrument	
Transmission frequency:	868 MHz
Transmission range:	In open field: 300 m (E, J)/ 180 m (U) with internal antenna
Logging interval:	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, C format, 2-pole Molex 5264 connector
Battery life:	4 years typ. (without repeaters, measurement interval 10 s and log interval 30 s)
Operating conditions:	-20 ... +70 °C / 0 ... 100 % RH non condensing
Dimensions:	140 x 80 x 55 mm (excluding ext. antenna) (H x W x D)
Housing:	Polycarbonate
Protection degree:	IP 67
Scope of supply:	Device, battery; For configuration a basic unit HD35-AP... (see page 156/157) is required.

WATERPROOF TEMPERATURE WIRELESS DATA LOGGER WITH
 FIXED VERTICAL PROBE



HD35ED-W-N-TV-E

Art. no. 608645
 Waterproof temperature wireless data logger with fixed vertical probe, without display

General:	
IP 67 waterproof housing. It 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. Installation: wall mounting with HD35-24W flange (optional)	
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:	In open field: 300 m (E, J)/ 180 m (U) with internal antenna.
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 ... 100 % RH non condensing
Dimensions:	170 x 80 x 55 mm (excluding external antenna) (H x W x D)
Housing:	Polycarbonate
Protection degree:	IP 67
Scope of supply:	Device, battery; For configuration a basic unit HD35-AP... (see page 156/157) is required.

Accessories p.r.t. page 163