

WATERPROOF TEMPERATURE AND HUMIDITY WIRELESS DATA LOGGER WITH T/RH FIXED VERTICAL PROBE



HD35ED-W-1N-TVI-E

Art. no. 608644

Waterproof temperature and humidity wireless data logger with T/RH fixed vertical probe, without display

General:

IP 67 waterproof housing. It 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. Powered by the internal battery. Installation: wall mounting with HD35-24W flange (optional)

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)
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:	In open field: 300 m (E, J) / 180 m (U) with internal antenna. > 500 m (E, J, U) with external antenna. (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 ... 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.

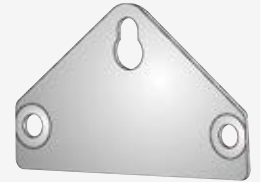
ACCESSORIES FOR WIRELESS DATA LOGGERS SYSTEM

Accessories:

HD35-CP23
 Art. no. 609449
 Configuration cable

HD35-SWD06
 Art. no. 609458
 Power supply, 100 ... 250 V AC / 6 V CD / 1 A mains voltage

HD35-24W
 Art. no. 608715
 Flange for fixing to the wall the waterproof models HD35-ED-W...
Specify when ordering on which instruments should be assembled.



HD35-BAT1
 Art. no. 608712
 3.7 V lithium-ion rechargeable battery. For the base units HD35-AP... (except HD35-AP-D and HD35-AP-R) and the repeater HD35-RE

HD35-BAT2
 Art. no. 608713
 3.6 V lithium-thionil chloride (Li-SOCl₂) non-rechargeable battery. For the data loggers HD35-ED... and the alarm module HD35-ED-ALM.

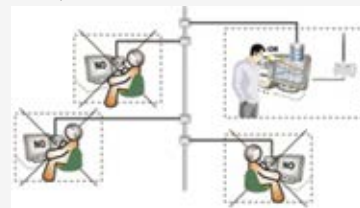
HD35-ED-ALM-E
 Art. no. 608726
 Wireless module with two relay outputs for signalling alarm events. Controlled by the base unit, it allows to activate more signalling devices (sirens, blinking lights, etc.) or actuators. Transmitting range: 300 m in open field. Instrument operating temperature / humidity: -10 ... +70 °C / 0 ... 85 % RH. Powered by the internal battery. Supplied with 3.6 V non-rechargeable Li-SOCl₂ battery and HD35-03 wall mount support.

HD35-AP-PLUS
 Art. no. 608714
 Advanced version of the HD35-AP-S software. For Windows® operating systems.

Advanced (PLUS) functionalities:
 The system basic functionality allows managing only the data in the local database of the PC in which the HD35-AP-S software is installed. Furthermore, limited FTP functionalities are allowed: the data are sent via FTP by the HD35-AP-G or HD35-AP-W base unit with an interval of not less than 2 minutes and only if in the network there are up to 5 data loggers. For advanced applications, the HD35-AP-PLUS option with the following additional features is available for a fee:

- Multi-client connection to the database: it is possible to store the data in either a local database or in a remote database on the local network to which the PC is connected; the display of the data can be done from any PC on the local network running the software HD35-AP-S.
- Full FTP functionality: no limit on the data sending interval and on the number of data loggers.

Basic functionality
 Storing and viewing of data only in the local database.



Plus functionality (Unlimited Access Points)
 Storing of data in a local or remote database. Viewing of data from any PC of the local network in which the HD35-AP-S software has been installed.



others upon request