

HD35EDW1NBTV – HD35EDLW1NBTV

Temperature, humidity and carbon dioxide (CO₂) wireless data logger, IP 67 waterproof housing



Temperature, humidity and carbon dioxide wireless data logger. **IP 67** waterproof housing. Custom LCD display (only with **option L**). It stores the measures in its internal memory (30,000 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 **NTC10KΩ** temperature sensor and **high accuracy R.H. sensor**. Fixed CO₂ sensor with removable protection filter.

Calculated quantities: dew point, absolute humidity.

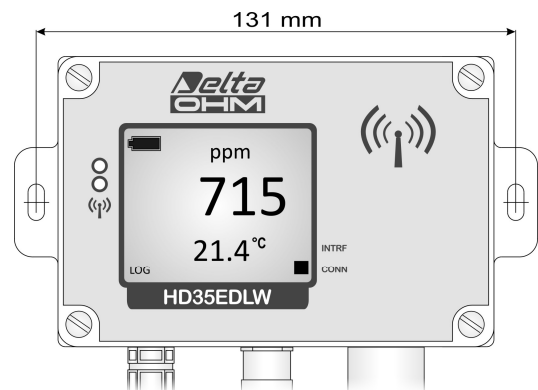
Acoustic alarm with internal buzzer. Configuration via **HD35AP-S** software. 7...30 Vdc external power supply. Installation: wall mounting with HD35.37 pair of flanges (**optional**) or fixing to a Ø 40 mm mast with HD2003.77/40 clamping (**optional**).

TECHNICAL CHARACTERISTICS

Humidity	
Sensor	Capacitive
Measuring range	0...100% RH
Resolution	0.1% RH
Accuracy (@ 23 °C)	± 1.5 %RH (0..90 %RH) ± 2 %RH (remaining range)
Sensor operating temperature	-20...+80 °C
Temperature drift	±2% over the whole operating temperature range
Long-term stability	1% / year
Temperature	
Sensor	NTC 10 kΩ @ 25 °C
Measuring range	-40...+105 °C
Resolution	0.1 °C
Accuracy	± 0.3 °C in the range 0...+70 °C ± 0.4 °C outside
Long-term stability	0.1 °C / year
Carbon dioxide (CO ₂)	
Sensor	Non-dispersive infrared rays (NDIR)
Measuring range	0...5000 ppm
Resolution	1 ppm
Accuracy	±(50 ppm+3% of measurement) @ 20 °C and 1013 hPa
Operating temperature	-20...+60 °C
Response time	T ₉₀ < 120 s (air speed= 2 m/s)
Stability	5% of measurement/5 years
Temperature drift	1 ppm / °C

Instrument	
Transmission frequency	Factory configurable at choice among: 868 MHz, 902-928 MHz, 915-928 MHz, 921-928 MHz or 915,9-929,7 MHz depending on the frequency in use in the country of installation
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	10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Power supply	7...30 Vdc
Current consumption	< 5 mA average, 300 mA approx. peak
Operating conditions	-20...+60 °C / 0...100 %RH non condensing
Dimensions	Housing: 120 x 80 x 55 mm With sensors: 120 x 155 x 55 mm
Weight	200 g approx.
Housing	Polycarbonate
Protection degree	IP 67

FIXING WITH OPTIONAL HD35.37 FLANGES



DATA LOGGER ORDERING CODES

