

Product information

Wireless data loggers GHM DeltaBus

**Wireless data logger
 HD35EDW17PTC
 HD35EDLW17PTC**



- **Waterproof temperature and humidity wireless data logger for T/RH combined sensor with cable**

Characteristics

Temperature and humidity wireless data logger. IP 67 waterproof housing. Custom LCD display (only with option L). 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.

One input with M12 connector for the HP3517ETC... temperature and relative humidity combined sensor with Pt100 temperature sensor and high accuracy R.H. sensor.

Calculated quantities: dew point, wet bulb temperature, absolute humidity, mixing ratio, partial vapour pressure.

Acoustic alarm with internal buzzer. Configuration via HD35AP S software. Powered by the internal battery. Installation: wall mounting with HD35.24W flange (optional) or fixing to a Ø 40 mm mast with HD2003.77/40 clamping (optional). Protection shield against solar radiations HD9217TF1 (optional) for outdoor installation. External antenna for outdoor installation with protection shield against solar radiations. Internal antenna for indoor installation.

Technical data

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 | : -40...+150 °C |
| Temperature drift | : ±2% over the whole operating temperature range |
| Long-term stability | : 1% / year |

Temperature

| | |
|---------------------|---------------------------|
| Sensor | : Thin film 1/3 DIN Pt100 |
| Measuring range | : -40...+150 °C |
| Resolution | : 0.1 °C |
| Accuracy | : 1/3 DIN |
| Long-term stability | : 0.1 °C / year |

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 | : 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 | : 129 x 80 x 55 mm (excluding probe and external antenna) |
| Weight | : 250 g approx. |
| Housing | : Polycarbonate |
| Protection degree | : IP 67 |

Sensors

HP3517TC...: temperature and relative humidity combined sensor with high accuracy R.H. sensor and Pt100 temperature sensor. 4 pole M12 connector.



Product information

Wireless data loggers GHM DeltaBus

Ordering codes

HD35ED - 1. 2. W17PTC.

| | |
|-----------|---|
| 1. | LCD |
| 0 | without LCD |
| L | with custom LCD |
| 2. | Radio frequency |
| J | 915.9-929.7 MHz (Japan) |
| E | 868 MHz (Europe) |
| U | 902-928 MHz (U.S.A. and Canada) reducible to 915-928 MHz (Australia) or 921-928 MHz (New Zealand) |

Ordering codes sensors

HP3517 - 1. 2.

| | |
|-----------|---------------------|
| 1. | Cable lenght |
| 0 | cable 135 mm |
| 1 | cable 150 mm |
| 2 | cable 335 mm |
| 2. | Cable lenght |
| 0 | cable 2 m |
| 1 | cable 5 m |
| 2 | cable 10 m |