

FlexiAir-WTH100

The WTH100 is a precision digital temperature and humidity sensor, engineered for applications that demand accurate and consistent environmental readings.

Key Features:

- Dual Communication Protocols: Transmit data using MQTT or HTTPS via Wi-Fi.
- Controller Specifications: Reliable controller operating at 12V.
- Configuration: Easily set up and modify device parameters via proprietary software.
- Precision Sensing: Superior performance with fast response and anti-interference capability.

Specifications:

Temperature:

- Range: -40°C to +80°C (with an optional range of -40°C to +120°C)
- Precision (External Probe): $\pm 0.4^{\circ}\text{C}$ at 25°C
- Resolution: 0.3°C
- Long Term Stability: $\leq 0.1^{\circ}\text{C}$ per year
- Response Time: ≤ 25 seconds at 1m/s wind speed

Humidity:

- Range: 0%RH to 100%RH
- Precision (External Probe): $\pm 2\%$ RH at 60%RH and 25°C
- Resolution: 5%RH
- Long Term Stability: $\leq 1\%$ RH per year
- Response Time: ≤ 58 seconds at 1m/s wind speed

Environment Conditions:

- Operating Temp 20°C to +60°C
- Operating / Storage Humidity 0%RH to 95%RH, non-condensing
- Protection Class IP65

Dimensions:

- Dimensions 120 (L) X 100 (W) X 40 (H)
in mm
- Weight 200 grams

Configuration:

Configuration is facilitated through a dedicated proprietary software, allowing for easy communication setup and parameter customization.



Applications:

- HVAC Systems,
- Dehumidifiers,
- Consumer Goods,
- Vehicles,
- Weather Stations,
- Medical Equipment, etc.



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