



AHT-503H Temperature and Humidity Monitor with External Probe (For High Humidity Environment)



SKU: AECAHT503H
Manufacture warranty period: 12 months
Country of Origin: Taiwan

Description:

AHT-503H series is designed for high humidity application. Using high accuracy dual function sensing element ensures its stability and reliability. The housing of sensing probe uses metal sintered head design. It can cut the risk of condensation, which might damage sensing element or reduce its lifespan.

The AHT-503H is perfectly used in wine cellar, mushroom farm, green house, warehouse, plant factory, poultry farm, server room and etc. In addition to several signal output, LCD display is also an option for on-site monitoring.

Features:

- Rapid response time, high stability, high accuracy
- Microprocessor technology allows compact design, power saving and anti – interference
- The sensing probe design is metal sintered head
- Streamline shape and elegant design
- Complete product line and multifunction for various applications
- RS485 (Modbus RTU) is available



Specification:

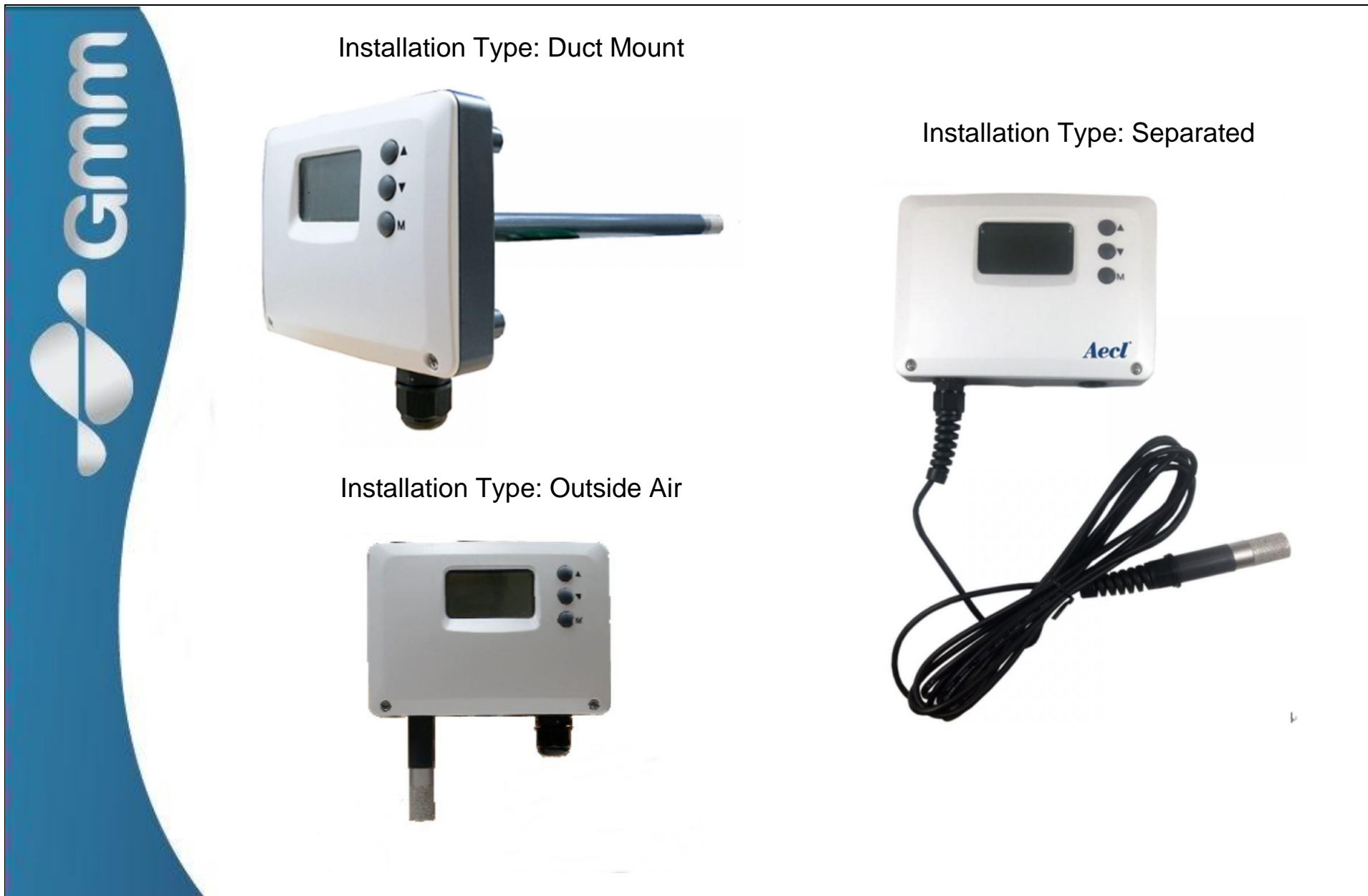
- Measurement: Temperature & Humidity
- Signal output **selection**:
 - 4~20mA,
 - 0~10V/0~5V/1~5V,
 - RS485
- Installation type **selection**:
 - Duct mount
 - Outside air
 - Separated
- Loading resistance:
 - Current output: $RL < 500\Omega$ at 24V DC
 - Voltage output: $RL > 2.5K\Omega$ at 24V DC
- Temperature
 - Range: 0~100°C or 0~50°C or -50~+50°C
 - Resolution: 0.1°C
 - Accuracy at 25°C **selection**:
 - A type: $\pm 0.3^\circ\text{C}$
 - B type: $\pm 0.4^\circ\text{C}$
- Humidity
 - Range: 0~100% RH
 - Resolution: 1% RH
 - Accuracy at 25°C **selection**:
 - A type: $\pm 2\%RH$
 - B type: $\pm 3\%RH$
- Sensing element: CMOSens sensor
- Response time: < 10 sec. (20% to 80% of range)
- Protection: IP65
- LCD display: Yes
- Power supply:
 - 12 ~ 35V DC (output: 0~10V/0~5V/1~5V, RS485)
 - 15 ~ 35V DC (output: 4~20 mA)
 - AC 24V

- Dimensions(mm)
 - Transmitter: 137.39(H)x99(W)x40.44(D)
 - Duct-mount: probe: $\varnothing 15 \times 297.95$
 - Outside air: probe: $\varnothing 15 \times 60$
 - Separated: cable: 3360
- Case material:
 - Main unit: Fireproof ABS
 - Sensing probe: SS316
 - Screw: SS304
- Operating temperature: -20°C to +80°C
- Operating humidity: 0 ~ 100%RH (non-condensing)

Standard Package:

- Transmitter
- User Manual





Installation Type: Duct Mount

Installation Type: Separated

Installation Type: Outside Air