



HUTX1-485 Humidity and Temperature Sensor with RS485 Modbus Communications

- Fully Calibrated
- High Precision and Repeatability
- Long-term Stability, Low Drift
- Humidity Full Range Temperature Compensation
- RS485 Modbus-RTU Protocol Communication
- Low Power Consumption



The HUTX1-485 is a low-cost high reliability humidity and temperature digital transmitter with RS485 Modbus-RTU protocol connectivity. The HUTX1-485 has excellent long-term stability, low latency, low power consumption and excellent repeatability. It is simple to use and configure. It features DIP switch settable Modbus address which allows for easy initial setup and configuration. The HUTX1-485 is useful for a large variety of applications including:

- HVAC
- Building automation
- Laboratory, hospital, library, museum Temperature and Humidity Monitoring
- Storage and production facilities in the pharmaceutical, paper, food and electronics industries

PART NUMBER	DESCRIPTION
HUTX1-485	Humidity and Temperature Sensor with RS485 Modbus Communications

SPECIFICATIONS

Temperature Measurement

Range: -40 to 85°C

Resolution: 0.1°C

Accuracy: ±0.2°C

Humidity Measurement

Range: 0 to 95%RH

Resolution: 0.1%RH

Accuracy: ±2%RH

Hysteresis: < ±0.8%RH

Response Time: About 8s (from 33%RH to 75%RH, in flowing air)

Long-term Stability: <±0.25%RH/year (without contamination)

General

Power: 5Vdc to 24Vdc, 5mA current draw

RS-485 interface Baud Rate: 9600(default), 4800, 19200

Transmission Distance: ~1200 meters depending on the operating environment

Address Selection: Via internal dip switch

Size: 140 mm(5.5 in.) length, 16 mm(0.63 in.) diameter

Cable Length: 1 meter(39.4 in.)