

TEMPERATURE & HUMIDITY SENSOR



The T/H (Temperature/Humidity) sensor can monitor the temperature and humidity in working environment. It can also convert the information into digital signals and display them on the screen of host device.

Working voltage	10-30V
Power consumption	1.2W
Working temperature	-20°C to +60°C
Temp. Relative humidity	0-95%
Temp. Range	-40°C to +80°C (default)/ -40°C to +120°C (optional)
Temp. Inaccuracy	±0.3°C
Temp. Response time	≤15s (1m/s Wind speed)
Long-term Stability. Temp	≤0.1°C/y
Humidity Range	0-100%RH
Humidity Inaccuracy	±3%
Humidity Response time	≤8s (1m/s Wind speed)
Long-term Stability. Humidity	≤1%RH/y
Analogue Output Signal	4-20mA (Current), 0-5V / 0-10V(Voltage)
Digital Output Signal	RS 485 Communication (Modbus) protocol Data bit length: 8 bits Parity check mode: None Stop bit Length: 1 bit Default Modbus communication address: 1 Function code:03
Load Capacity	≤600Ω (Load for current output) ≤250Ω (Load for voltage output)

ORDERING INFORMATION

Part Number	Description
NC27-TS01X	Temperature & Humidity Sensor