



SXM THT01

Temperature and Humidity Sensor
with RS232 Communication

Siera Xtreme Mobile is a line of MNDVRs, dashcams, and bodycams with advanced features designed to meet all the needs of the mobility market.

Key Features

- Accurate temperature and humidity measurement
- Ultra-low power consumption (<0.02W)
- RS232 communication with Modbus RTU protocol
- Integrated LCD display
- High-precision sensor
- Configurable alarm and control functions
- Integrated dew point calculation
- Password protection
- High stability and resistance to interference

Power Supply	
Voltage:	DC 9V ~ 26V
Recommended:	12V DC
Consumption:	< 0.02W
Current:	< 2 mA
Measurement	
Temperature:	Range: -20 °C ~ 80 °C Accuracy: ±0.3 °C Resolution: 0.1 °C
Humidity:	Range: 0 ~ 100 %RH Accuracy: ±3 %RH Resolution: 0.1 %RH
Communication	
Interface:	RS232
Protocol:	Modbus RTU
Direction:	1 ~ 247
Baud rate:	1200 / 2400 / 4800 / 9600 / 19200 bps
Communication distance:	Up to 1200 m
Functions	
Configurable alarms:	High temperature Low temperature High humidity Low humidity
Additional functions:	Dew point calculation Internal clock LCD display with high visibility
Interface & Display	
Displays:	Temperature Humidity Dew point Communication parameters
Operating Conditions	
Area:	10 ~ 20 m ² per unit
Usage:	Indoor
Dimensions:	90 × 95 × 29 mm
Installation:	Wall or ceiling mounting

