

PRODUCT SHEET

Temperature and Humidity Transmitter

AEX-TS-RS-BG

Wall-mounted RS485 transmitter for environmental temperature and humidity monitoring.



The AEX-TS-RS-BG collects ambient temperature and relative humidity and transmits readings through an RS485 Modbus interface. Its wall-mounted IP65 enclosure supports indoor industrial environments and sheltered outdoor installations requiring continuous environmental monitoring.

RS485 OUTPUT	IP65 PROTECTION	1 s DATA REFRESH	5-30 V SUPPLY
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Features

Temperature and humidity measurement	RS485 Modbus communication	IP65 enclosure
DC 5-30 V supply	Wall-mounted installation	1 s data refresh

Specifications

Supply voltage	DC 5-30 V	Maximum power	0.1 W at 24 VDC
Humidity accuracy - Grade A	+/-2% RH at 60% RH, 25 C	Temperature accuracy - Grade A	+/-0.4 C at 25 C
Humidity accuracy - Grade B	+/-3% RH at 60% RH, 25 C	Temperature accuracy - Grade B	+/-0.5 C at 25 C
Transmitter environment	-40 to +60 C; 0-95% RH, non-condensing	Probe temperature range	-40 to +120 C; default -40 to +80 C
Probe humidity range	0-100% RH	Temperature resolution	0.1 C
Humidity resolution	0.1% RH	Data refresh	1 s
Long-term stability	Humidity <=1% RH/year; temperature <=0.1 C/year	Response time	Humidity <=8 s; temperature <=25 s at 1 m/s airflow
Output	RS485, Modbus protocol	Installation	Wall-mounted

Typical Applications

Environmental monitoring | Control cabinets | Industrial rooms | Sheltered outdoor installations

Document Reference

Product ID PRD-SEN-0002 | Model AEX-TS-RS-BG | Language English

Evidence boundary: no verified overall dimensions or terminal assignment were supplied, so those sections are intentionally omitted.