

Relative Humidity Sensor

APPLICATION

An economical relative humidity sensor with Modbus RTU output signal. It is used to measure the relative humidity in universal applications as well as the solar power plant. For this, SEVEN provides a stainless-steel mounting bracket and a UV-resistant solar radiation shield.



TEKNİK VERİ

General Information

Power Supply	12...34 V AC/DC
Measuring Range	0...100 %
Response Time	8 sn
Sensor Housing	Stainless-steel tube, 12 mm diameter, 75 mm length
Dimensions	H x W x L: 44 mm x 69 mm x 75 mm
Cable	3 m PUR Cable, UV and weather resistant
Protocol	The sensor is connected via 2-wire RS485 bus with Modbus RTU protocol
Tolerance	25 °C: +/- 2 % r.h. (20...80 %) + 2% f.s.
Protection	IP65

Electrical Connection

Brown	Power (+)
White	Power (-)
Green	RS485 Data (+) / A
Yellow	RS485 Data (-) / B

Modbus Specifications

Baud Rate	1200, 2400, 9600, 19200, 38400
Parity	No, even, odd
Stop Bit	1, 2 (only at no parity)
Factory Default	9600 Baud, 8N1, address: 1