

METEOSENSE ATS PT100 RS485

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

**General ordering data**

Version	Photovoltaics, built-in PT100 sensor, Weather Box, Temperature monitoring
Order No.	8000161014
Type	METEOSENSE ATS PT100 RS485
GTIN (EAN)	4099987571753
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	75 mm	Depth (inches)	2.9527 inch
Height	57 mm	Height (inches)	2.2441 inch
Width	140 mm	Width (inches)	5.5118 inch
Length	140 mm	Length (inches)	5.5118 inch
Net weight	380 g		

Temperatures

Ambient temperature -25 °C...125 °C

Communications

Interface	RS485	Protocol	Modbus RTU
Transmission distance	Max. 1200 m twisted pair	Modbus baudrate	9600
Modbus parity	None	Addressing	DIP switch
Shield connection	Yes	RS485 4-wire	Data+, Data-, GND

General data

Installation advice	2 screws, M3 (not included)	Protection degree	IP66
Surge voltage category	II	Pollution severity	2
Supply voltage	24 V DC (12...35 V DC)	Insulation voltage	1 kV DC
Nominal power consumption	0.6 VA	Operating altitude	≤ 2000 m

Input connection

Stripping length, rated connection	10 mm	Clamping range, max.	1.5 mm ²
Clamping range, min.	0.13 mm ²		

Output connection

Stripping length, rated connection	10 mm	Type of connection	PUSH IN
Clamping range, max.	1.5 mm ²	Clamping range, min.	0.13 mm ²
Wire connection cross section, finely stranded, max.	1.5 mm ²	Connection type	1 removable 5-pole terminal block
Connection type (plug socket)	1x RS-485		

Signalling

Sensor PT100

Temperature measuring input

Accuracy typ. ± 0.1 % of signal range

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Classifications

ETIM 8.0	EC000310	ETIM 9.0	EC000310
ETIM 10.0	EC000310	ECLASS 14.0	27-06-03-20
ECLASS 15.0	27-06-03-20		