LAMBRECHT meteo

EOLOS-Modbus STATIC WEATHER SENSOR

COMBINED WIND SENSOR

AIR PRESSURE

NO MOVING PARTS

COMBINED HUMIDITY TEMPERATURE

Modbus RTU DATA PROTOCOL

The perfect weather sensor...

for a wide range of applications, especially for use under harsh environmental conditions. The Modbus RTU interface simplifies sensor installation and integration into networks. The integrated sensors in the weather module are measuring the ambient parameters with high precision. The compact construction of the static measuring system and the space saving, robust housing make the EOLOS-Modbus extremely reliable and durable.

· no moving measuring elements
· provides 6 weather parameters
· lamella shelter for accurate mea-surements of the temperature-humidity sensor
· height adjustment of air pressure possible
· easy installation, easy to maintain

APPLICATIONS

· professional meteorological applications
· building automation
· photovoltaic systems
· industrial meteorology

Professional Line	EOLOS-Modbus Static weather sensor
Id-No.	00.16430.001032
Meas. range wind direction	0...360°
Meas. range wind speed	0.1...50 m/s
Meas. range air temperature	-40...+70 °C
Meas. range rel. humidity	0...100 % r. h.
Meas. range barometric pressure	600...1100 hPa
Accuracy wind direction	3° RMS
Accuracy wind speed	0.5 m/s RMS at 0.1...5 m/s • 0.5 m/s ± 5 % RMS of measured value at 5.1...40 m/s
Accuracy air temperature	± 0.8 °C (v > 2 m/s)
Accuracy rel. humidity	± 3 % (10...90 %) • ± 4 % (0...100 %)

for further information p.r.t. www.lambrecht-e-shop.com | Phone no.: +49 (0) 931 / 30 40 8-0

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Professional Line	EOLOS-Modbus Static weather sensor
Accuracy barometric pressure	± 2 hPa (-30...+70 °C)
Resolution wind direction	1°
Resolution wind speed	0.1 m/s
Resolution air temperature	0.1 °C
Resolution rel. humidity	0.5 % r. h.
Resolution barometric pressure	0.1 hPa
Protocols	Modbus RTU
Interface	RS 485
Range of application	temperature -40...+70 °C • wind speed 0...100 m/s • 0...100 % r. h.
Supply voltage	24 VDC · max. 2.5 A
Dimensions	H 382 mm • Ø 120 mm • mast adapter Ø 50 mm for mounting on standard pipe
Housing	aluminium • anodised • IP 66
Weight	approx. 2.5 kg
Included in delivery	4-pole M12 plug connector
Accessories (order separately)	32.14567.060010 sensor cable, 15 m, 4 pole, M12 plug 32.14567.060000 sensor cable, 12 m, 4 pole, M12 plug

As of: 17.03.2020

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