

MODBUS INDUSTRIAL WEATHER STATION

Your connection to the industrial world with professional Lambrecht meteo sensors.

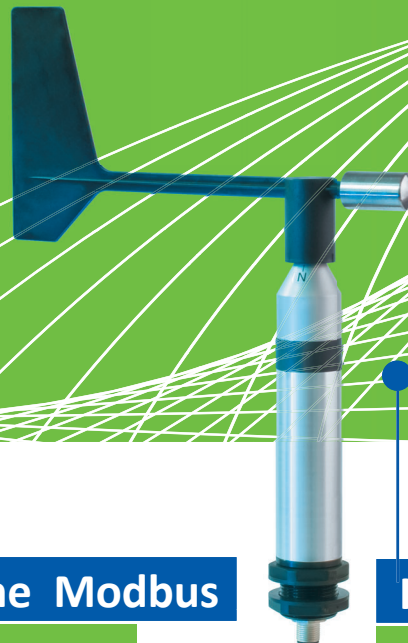
Our Industrial Weather Station combines high-quality sensors and the Modbus RTU standard. Lambrecht provides standardized environmental measuring stations with Modbus RTU for almost all applications. Of course, we are also pleased to realize your individual requests.

- ✓ Installation is easy, cabling is minimal.
- ✓ Minimum maintenance due to best product quality.
- ✓ Sensors are extremely precise and durable.
- ✓ Mounting material is included in delivery scope.



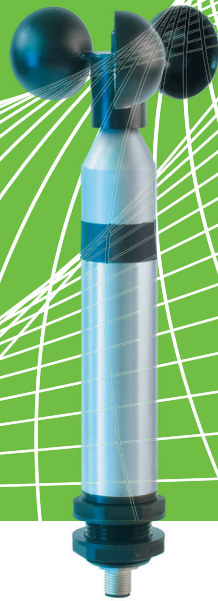
rain[e]one Modbus

Weighing Precipitation Sensor



INDUSTRY Modbus

Wind Direction and Wind Speed



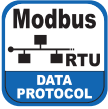
Pyranometer

16103 Second Class Pyranometer Modbus




THP[pro] Modbus

Temperature · Air Pressure · Humidity



Set Wind Traverse
32.14627.010000



consisting of:
1x 33.14627.001010 Traverse 750 mm
1x 32.14627.007000 Set Cover caps
2x 32.14627.002000 Set Sensor holder, round D30
1x 32.14627.001000 Set Mast mounting set

 **32.14627.002000**
Set Sensor bracket round


Set Traverse for Pyranometer and Sensor Shelter TS · 32.14627.011010

consisting of:
1x 33.14627.001000 Set Traverse 1000 mm
1x 32.14627.007000 Set Cover caps
1x 32.14627.003000 Set Sensor holder, large
1x 32.14627.001000 Set Mast mounting set

00.14627.030000
3 m Telescopic mast aluminium

 + 
32.14627.002000
Set Sensor bracket, round
+
32.14627.006000
Set Ball level

32.14627.030300
Bracket for rain[e] on 3 m telescopic mast


32.14627.003000
Set Sensor bracket, large

32.14627.030200
3-leg tripod for 3 m telescopic mast

00.15180.800050
Stainless steel mast with base plate rain[e]
Measuring height: 1 m

- 1** **00.14567.110030**
INDUSTRY Modbus
Windrichtungssensor
- 2** **00.14577.110030**
INDUSTRY Modbus
Windgeschwindigkeitssensor
- 3** **00.16103.501060**
Second Class Pyranometer
Modbus
- 4** **00.08095.100030**
THP[pro] Modbus Sensor für
Lufttemperatur,
Luftfeuchte,
Taupunkt,
Luftdruck
+
00.08141.610000
Wetterhütte TS
- 5** **00.15184.400101**
Niederschlagssensor
rain[e]one Modbus beheitz
ohne Kabel



Suitable data loggers:



met[LOG]
Id-No. 00.9580.010000



Ser[LOG]
Id-No. 00.95770.000000

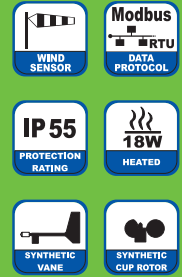
INDUSTRY-Modbus Wind direction and wind speed

Wind direction Id-No. 00.14567.110030

Wind speed Id-No. 00.14577.110030



Measuring range wind direction	0...360°
Measuring range wind speed	0.7...50 m/s
Accuracy wind direction	2°
Accuracy wind speed	0.5 m/s at 0.7... 5 m/s and 2 % FS at 5.02... 50 m/s
Resolution wind direction	2°
Resolution wind speed	< 0.02 m/s
Operating conditions	-30...+70 °C • 0...100 % r. F. • max. gusts 60 m/s
Supply voltage	24 VDC (20... 32 VDC) • 18 W heating

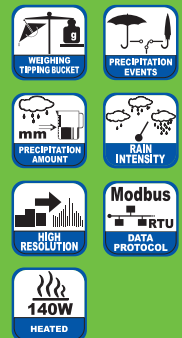


rain[e]one Modbus Weighing precipitation sensor

Id-No. 00.15184.400101

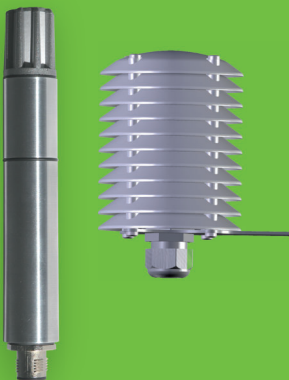


Measuring range (amount)	without limitation (0.0025...∞ mm)
Measuring range (intensity)	0...10 mm/min resp. 0...600 mm/h
Accuracy	0.1 mm resp. 6 mm/h
Resolution (intensity)	0.001 mm/min resp. 0.001 mm/h
Resolution (amount)	0.001 mm
Operating conditions	-40...+70 °C
Supply voltage	9.8... 32 VDC



THP[pro] Modbus Temperature · rel. humidity · air pressure

Id-No. 00.08095.100030



Measuring range temperature	-40...+70 °C
Measuring humidity	0... 100 % r. h.
Measuring range barometric pressure	500... 1100 hPa
Accuracy temperature	± 0.1 K (0...60 °C) • ± 0.2 K (-40...0 °C) ¹⁾
Accuracy rel. humidity	typ. ± 1.5 % (0...80 %) r. h. • ± 2 % (> 80 %) r. h. ¹⁾
Accuracy barometric pressure	± 2 hPa (-30...+70 °C) • ± 1 hPa (-10...+60 °C)
Resolution temperature	0.1 °C
Resolution rel. humidity	0.1 % r. h.
Resolution barometric pressure	0,1 hPa
Operating conditions	-40...+70 °C • 0...100 % r. F. • 500...1100 hPa
Supply voltage	24 VDC (4.8... 33 VDC)



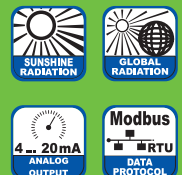
¹⁾ Ventilated sensor shelter recommended

Pyranometer „16103 Modbus“ Global radiation

Id-No. 00.16103.501060



Measuring range	0...2000 W/m ² • global radiation within a range of 285...3000 nm
Accuracy	Second class • Class C 10 % (WMO daily totals)
Resolution	0.2 W/m ²
Operating conditions	-40...+80 °C
Supply voltage	24 VDC (5...30 VDC)



We know the weather!