

## WENTO-IND COMBINED WEATHER SENSOR



### An unique all-rounder

is the new generation of a professional, particularly compact weather station for universal application! Measurement of 6 meteorological parameters and the precipitation quantity (optional), and that at an optimum price-performance ratio. The wind sensors and the integrated weather module have a very robust design. High-quality special alloys make this weather station environmentally resistant and extremely stress resistant. Reliable measurement of meteorological parameters is ensured even under extreme weather conditions.

- measures 6 parameters: 2 wind parameters, air temperature, rel. humidity, air pressure, dew point, optional precipitation
- extremely robust and compact
- reliable year-round operation in all climate zones
- simple and rapid mounting
- serial interface for direct connection to PC technology

### APPLICATIONS

- industrial applications
- building automation
- environmental measurements under extreme environmental conditions

Professional Line	WENTO-IND
Id-No.	00.14516.210001
Measuring range	precipitation: see precipitation sensors
Meas. range wind direction	0...360°
Meas. range wind speed	0.3...75 m/s
Meas. range air temperature	-30...+70 °C
Meas. range rel. humidity	0...100 % r. h.
Meas. range barometric pressure	600...1100 hPa
Accuracy	precipitation: see precipitation sensors
Accuracy wind direction	± 1°
Accuracy wind speed	± 2 % FS at 0.3...50 m/s
Accuracy air temperature	± 0.8 °C
Accuracy rel. humidity	± 3 % (10...90 %) ; ± 4 % (0...100%)
Accuracy barometric pressure	± 2 hPa (-30...+70 °C)

Continued on page 2

Professional Line	WENTO-IND
Resolution	precipitation: see precipitation sensors
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	NMEA 0183 • WIMWV • WIMHU • WIMMB • WIMTA • WIXDR (Precipitation protocol)
Interface	serial RS 422/ Talker baud rate 4800 • 1 Hz (at measuring cycle 10 Hz) • 8N1
Range of application	temperature: -30...+70 °C heated • humidity: 0...100 % r. h.
Strongest wind impact velocity	0...80 m/s
Supply voltage	sensor 11...28 VDC/ 50 mA at 24 VDC, max. 120 mA • heating electr. controlled 24 VDC/ 2x9 W
Design	mast mounting: Ø 51 mm pipe
Dimensions	H 440 mm • B max. 475 mm
Housing	seawater resistant aluminium specially anodised, protective paint (RAL 9006)
Protection class	IP 65 in upright position
Weight	2.3 kg
Options (order separately)	36.09340.000000 Visualisation and evaluation software MeteoWare-CS3 00.95800.010000 Data logger met[LOG] 00.14742.401002 Display unit METEO-LCD/IND
Accessories (order separately)	32.16420.066100 sensor cable, 10 m • 12-pol. bayonet plug • assembled

As of: 27.04.2024