WIND SENSORS "PRO-Modbus"

Wind direction and wind speed

The Modbus RTU interface...

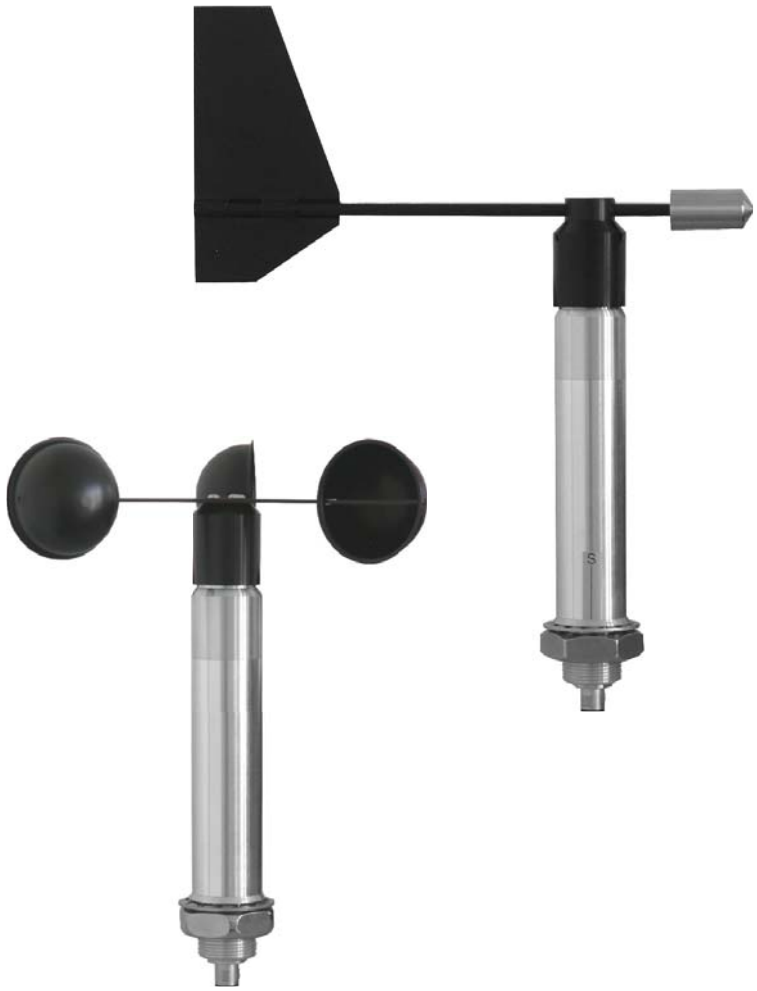
simplifies the integration of the sensors into networks and allows the construction of long communication distances.

PRO-Modbus sensors are predestined for use in areas subject to lightning. Their improved protection against electrostatic discharge in combination with the interference-proof communication ensures a high integrity of your data.

PRO-Modbus sensors with their integrated, regulated heating system provide you with reliable work as a tireless endurance runner in all-year use and in most climatic zones.

- improved protection against electrostatic discharge
- especially robust due to reinforced axis
- high measuring range of 75 m/s
- low starting values of < 0.5 m/s
- very high resolution of measuring values

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



Standard Line	Wind Sensors PRO-Modbus	
Id-No.	**(14523) Wind direction Id-No. 00.14523.131 030**	**(14524) Wind speed Id-No. 00.14524.10 030**
Measuring elements:	wind vane • aluminium · special surface	3-armed cup • aluminium · special surface
Measuring range:	0...360°	0.5...75 m/s
Accuracy:	2°	0.3 m/s ≤ 10 m/s • 0.5 m/s...60 m/s
Resolution/ Starting value:	< 1° • < 0.5 m/s	< 0.1 m/s • < 0.5 m/s
Output:	Modbus RTU	Modbus RTU
Measuring rate:	4 Hz	4 Hz
Weight:	0.4 kg	0.35 kg

Measured values:	instantaneous value · average value · minimum value · maximum value
Measuring principle:	Hall Sensor Array, non-contact
Range of application:	temperatures -40...+70 °C · heated • wind speed max. gusts 100 m/s • humidity 0...100 % r.h.
Supply voltage:	24 VDC (20...32 VDC with heating (ON) · 4.5...32 VDC without heating (OFF)) · 18 W heating· max. 800 mA · The heating within the sensor head prevents blocking of the moving parts under most climatological conditions.
Connector:	4-pole M12 plug connector
Housing:	seawater-resistant aluminium · IP 65 in upright position · M12 cable-plug connection · stainless steel nut and lock washer