



# WIND SENSORS "EFFICIENT Modbus"

## Wind direction and wind speed

### The efficient solution

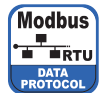
Do you think cost-conscious and are demanding when it comes to your wind measurement data? Then the EFFICIENT Modbus sensors are your ideal solution.

With this sensor concept, valuable materials meet functional design. EFFICIENT sensors also impress with their high accuracy, effortlessly simple assembly principles and corrosion-resistant materials.

The Modbus RTU interface simplifies sensor installation and integration into networks.

- proven sensor technology
- very good starting values
- simple mast mounting

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



### Standard Line

### Wind Sensors EFFICIENT Modbus

	Wind direction Id-No. 00.14579.101 030	Wind speed Id-No. 00.14579.201 030
Measuring elements:	blade wind vane • dimensionally stable	3-armed cup rotor • break-proof
Measuring range:	0...360°	0.7...50 m/s
Accuracy:	2°	0.5 m/s at 0.7...5 m/s and 2 % FS at 5.02...50 m/s
Resolution/ Starting value:	2° • < 0.7 m/s	< 0.02 m/s • < 0.7 m/s
Outputs:	Modbus RTU · RS485	Modbus RTU · RS485
Dimensions:	wind vane L 232 mm · H 327 mm	cup rotor Ø 95 mm · H 230 mm
Weight:	approx. 0.35 kg	approx. 0.25 kg
Measuring principle:	Hall Sensor Array	
Range of application:	temperatures* -30...+70 °C • wind speed 0...60 m/s	
Supply voltage:	24 (20...28) VDC · max. 800 mA • electr. controlled heating · 18 W	
Connection:	4-pole M12 plug connector	
Housing:	aluminium · anodized · IP 55 · Ø 32 mm · bore Ø 30 mm for mounting at traverse	

\*) under non-icing environmental conditions