

WIND SENSORS “METEOROLOGY”

Wind direction and Wind speed

Trend setting...

not only for the wind!
Concerning quality, functional scope and reliability, these sensors define the highest meteorological standard in their class.
Lightweight but unbreakable, they are easy to install and almost effortlessly deliver reliable data through three analog outputs.

- low, optimized starting values
- dimensionally stable measuring parts
- winter-fit, large operating temperature range
- high accuracy and linearity
- very long-lasting, no plastics
- varieties for potentially hazardous detonation areas Zone 1

all climatic zones • **classical meteorology** • wind power plants • building equipment • wind warning devices • petro-chemistry, drilling platforms • solar-powered weather stations



Professional Line

Wind Sensors METEOROLOGY

Code/ Id-No:

Wind direction

(14566 24V) 00.14566.200 304

Wind speed

(14576 24V) 00.14576.250 004

Measuring element:

blade wind vane • dimensionally stable • alu. • opto-electronical meas. principle

3-armed cup rotor • fail-safe • aluminium • opto-electronical meas. principle

Measuring range/Accuracy:

0...360° • ± 1%

0...60 m/s • ± 2% FS

Resolution/ Starting value:

2.5° • 0.3 m/s

0.1 m/s • 0.3 m/s compensated

Outputs:

0...20 mA • max. load 500 Ω

0/4...20 mA = 0...50 m/s • max. load 500 Ω

4...20 mA • max. load 500 Ω

0/4...24 mA = 0...60 m/s • max. load 500 Ω

3 x 0...10 V_{DC}

3...600 Hz = 0.3...60 m/s • 5V-level

wind vane L 365 mm • H 260 mm • 0.6 kg

cup rotor Ø 220 mm • H 170 mm • 0.6 kg

Dimensions/ Weight:

temperatures -30...+70°C heated • wind speed 0...60 m/s

Range of application:

10...30 V_{DC} for internal transducer • heating 24 V_{DC}/ 600 mA • electr. controlled

Supply voltage:

aluminium • anodized • IP 53 • Ø 74 mm • RAL 7038 (agate-grey) • for mounting pipe Ø 50 mm

Housing:

1 plug • 12-pole • when a cable is ordered, the plug is mounted to that

Included in delivery:

(14576 I) with inductive sensor NAMUR and **(14566 F1000)** with ring potentiometer

Varieties (on request):

Indicator units e. g. (1476 Q144N) • (1477 Q144) [see page 86.](#)

Accessories:

Traverses/ Masts and Power supply units [see chapter „Periphery“ page 99 ff.](#)

32.14565.060 000

(14565 U60) Cable • 10 m • with 12-pole plug • ready-made

32.14565.060 020

(14565 U60b) Cable • 15 m • with 12-pole plug • ready-made

