

WIND SENSORS “ECONOMY”

Wind direction and Wind speed



Good orientation...

is provided by these wind measuring sensors proven a thousand times. The dimensionally stable measuring parts, the robust all-metal housing, good starting values and linearity amount to a very good price/performance ratio. Best prerequisites for world-wide applications in any location.

- good response sensitivity
 - high accuracy across large temperature range
 - 3 output signals
 - simplest installation by means of plug-in connection and fixing with one screw
 - with integrated heater absolutely winter-fit
- wind power plants • building services • wind warning devices for cranes • industrial applications • in all climatic zones

Standard Line

Wind Sensors ECONOMY

Code/ Id-No.:

Wind direction

(14565 24V) 00.14565.200 304

Wind speed

(14575 24V) 00.14575.200 004

Measuring element:

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

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

Measuring range/ Accuracy:

0...360° • ± 1%

0...35 m/s • ± 2% FS

Resolution/ Starting value:

2.5° • < 0.7 m/s

0.1 m/s • < 0.7 m/s

Outputs:

0...20 mA • max. load 500 Ω

0...20 mA = 0...35 m/s • max. load 500 Ω

4...20 mA • max. load 500 Ω

4...20 mA = 0...35 m/s • max. load 500 Ω

3 x 0...10 V_{DC}

0...700 Hz = 0...35 m/s • max. load 500 Ω

Dimensions/ Weight:

wind vane L 195 mm • H 260 mm • 0.4 kg

cup rotor Ø 95 mm • H 155 mm • 0.4 kg

Range of application:

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

Supply voltage:

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

Housing:

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

Included in delivery:

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

Accessories:

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

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

