

# 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<sub>DC</sub>

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<sub>DC</sub> for internal transducer • heating 24 V<sub>DC</sub>/ 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

