

# WIND SENSORS “INDUSTRY”

## Wind direction and Wind speed



### Of a special nature...

and very economical in acquisition is this wind pair... Furthermore, the sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. The optimal heating of the sensor head and the minimum power demand of the system are made possible by thermal decoupling of the housing shaft.

- precision, tradition and future reliability
  - large operative measuring and temperature range
  - simplest mast mounting
  - very good starting values through magnetic, contactless measuring principle
  - optimal heating concept
- wind power plants ● building services ● wind warning devices on cranes ● **industrial applications** ● in all climatic zones ● environmental measurements



### Standard Line

### Wind Sensors INDUSTRY

#### Code/ Id-No.:

#### Wind direction

(14567) 00.14567.000 000

#### Wind speed

(14577) 00.14577.000 000

Measuring element:

blade wind vane ● dimensionally stable · aluminium ● Hall sensor array

3-armed cup rotor ● fail-safe ● Hall sensor array

Measuring range/ Accuracy:

0...360° ● < ± 2%

0.7...50 m/s ● ± 2% FS

Resolution/ Starting value:

5.6° ● < 0.7 m/s

< 0.02 m/s ● < 0.7 m/s

Outputs:

0...20 mA ● max. load 600 Ω

0...20 mA = 0...50 m/s ● max. load 600 Ω compensated

Dimensions/ Weight:

wind vane L 232 mm · H 327 mm · 0.35 kg

cup rotor Ø 95 mm · H 230 mm · 0.25 kg

Range of application:

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

Supply voltage:

20...28 V<sub>DC</sub> · 450 mA ● heating · electr. controlled · 9 W

Housing:

aluminium · anodized · IP 53 · Ø 32 mm · bore Ø 30 mm for mounting at traverse cable · 10 m · ready-made

Included in delivery:

with output 4...20 mA · with cable plug connection for simple assembly

Varieties (on request):

Accessories:

**Data logger** e.g. SYNMET see page 94 ff.

**Traverses/ Masts and Power supply units** see chapter „Periphery“ page 99 ff.

**32.14567.007 000**

**(14567 U7) Mounting strap**

**32.14567.006 000**

**(14567 U6) Mast adapter · Ø 50 mm**

