

# STATIC WIND SENSOR "QUATRO"

Wind direction and Wind speed



Perfect, strong, sensitive... three characteristics that describe the ingenious static construction of this sensor. Without any moving measuring parts it is extremely resistant to wear. Wind movement is registered highly responsive, competently and very accurately by means of a thermal measuring principle. Each gust is registered accurately and transmitted via the serial interface.

- very high wind velocities up to 85 m/s measurable!
- easy, space saving installation
- all-metal construction
- extremely robust
- no moving parts
- varieties with or without heating

operates even in rough climates • professional meteorology • meteorological and hydrological measuring networks • wind power plants • sports and recreational facilities

## Professional Line

## (1642) Static Wind Sensor QUATRO-MET H

Id-No. 00.16420.010 002

Measuring principle:

thermal

### Parameters:

Wind direction:

**Measuring range:** 0...360°

**Accuracy:** ± 3°

**Resolution:** 1°

Wind speed:

0.1...85 m/s

± 0.5 m/s ± 5% of meas. value

0.1 m/s

Range of application:

temperatures -40...+70°C heated • wind speed 0...100 m/s

Message string:

NMEA 0183 • WIMWV

Interface:

serial • RS 422 • baud rate 4800 • 1 Hz • measuring cycle 10 Hz

Supply voltage:

18...32 V<sub>DC</sub> / 15 W • heating 24 V<sub>DC</sub> / 70 W • electr. controlled

Housing:

aluminium • anodized • IP 66

Dimensions:

H 305 mm • Ø 105 mm • mast adapter Ø 50 mm for installation at assembly mast

Weight:

1.5 kg

### Variety:

00.16420.000 002

(1642) QUATRO-MET without heating • operating temperature -30...+70°C no icing

### Accessories:

**Indicator units** e.g. (14742) Meteo-LCD see page 87 ff. •

**Data logger** see page 94 ff. • **Traverses/ Masts and Power supply units** see chapter „Periphery“ page 99 ff.

