

STATIC WEATHER SENSOR "QUATRO"

Wind - Air temperature - rel. Humidity - Air pressure
5 parameters plus dew point!

An unobtrusive observer...
of the 5 weather describing factors is the sensor QUATRO-IND. The compact construction of the static measuring system as well as the space saving, robust housing make the sensor extremely reliable, durable and very accurate.

- very high wind velocities up to 85 m/s measurable!
- 5 weather parameters measurable
- independently integrated sensors for rel. humidity, air pressure and air temperature
- easy installation, easy to maintain
- no moving parts
- varieties with or without heating

operation ashore in all climates ● professional meteorology ● meteorological and hydrological measuring networks ● wind power plants ● sports and recreational facilities ● weather services ● environmental authorities ● industrial plants ● airports ● civil protection ● disaster control



MeteoWare QUATRO-LOG
The software for direct connection to PC and visualization of the instantaneous and average values as well as data storage in Excel!

Professional Line

(1642) Static Weather Sensor QUATRO-IND H

Id-No. 00.16420.210 002

Parameters:

Wind direction:
Wind speed:
Rel. Air humidity:
Air pressure:
Air temperature:

Meas. range:

0...360°
0.1...85 m/s
0...100% r. h.
500...1100 hPa
-40...+70°C

Accuracy:

± 3°
± 0.5 m/s ± 5% of measured value
± 3% (20...90%) ● ± 4% (0...100%)
± 1 hPa (20°C) ● ± 3 hPa (-40...+70°C)
± 1°C (v > 4 m/s)

Resolution:

1°
0.1 m/s
1% r. h.
0.4 hPa
0.1°C

Meas. principle:

thermal
thermal
capacitive
piezoresistive
Pt100

Range of application:

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

Message string:

NMEA 0183 ● WIMWV ● WIMHU ● WIMMB ● WIMTA

Interface:

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

Supply voltage:

18...32 V_{DC}/ 15 W ● heating 24 V_{DC}/ 70 W ● electr. controlled

Housing:

aluminium ● anodized ● IP 66

Dimensions/ Weight:

H 305 mm ● Ø 105 mm ● mast adapter Ø 50 mm for installation at assembly mast ● 1.5 kg

Variety:

00.16420.200 002

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

Accessories:

Indicator units e. g. (14742) Meteo-LCD-IND see page 87. ● **Data logger** e. g. (95661) SYNMET-IND see page 94 ff. ● **Traverses/ Masts and Power supply units** see chapter „Periphery“ page 99 ff.

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(1642 U60) Cable ● 10 m ● with 12-pole plug ● ready-made