



GROUP 4

WIND

MADE IN GERMANY



## COMPACT WIND SENSORS

### KEYFACTS

- ▶ Compact Resilient Design
- ▶ Magnetically, Contact-Free Measurements
- ▶ Seawater resistant
- ▶ High Survival Speed
- ▶ Very Low Maintenance
- ▶ Excellent Price-Performance-Ratio

For more than 60 years we deliver outstanding products and support. We are your first choice for quality demanding projects and for meteorological calibration systems.



## ▶ THE COMPACT WIND SENSORS

### Wind Sensors with Hall Array Magnetic Encoder

The compact wind sensors type 4036, 4092 and 4192 serve for transmission of magnetically measured values of the wind speed/direction. They are designed for operation in meteorological applications and environmental protection, e.g. automatic weather stations, at airports, on research vessels, at wind power plants, at industrial sites as well as for use in mobile measuring systems etc.

The instruments rugged construction, their dust and water repellent surface as well as the high performance heating enable heavy duty applications like wind energy measurement or operation under severe climatic conditions and in harsh operational environments.

#### COMPACT WIND SENSORS

#### GENERAL

MEASURING METHOD ..... Magnetically, contact free  
 POWER SUPPLY ..... 20...28 VDC/VAC, <1500 mA  
 with heating  
 HEATING ..... max. 42 W,  
 electronically controlled

DATA OUTPUT ..... 0...10 V or 4...20 mA  
 SENSOR MOUNT ..... Ø 25, Ø 28, max. Ø 30 mm  
 CONNECTION ..... IP67 connector with 5 contacts  
 OPERATING TEMP. .... -40...+70 °C  
 PROTECTION CLASS ..... IP55

NO. 4092.0000

#### COMPACT WIND SPEED SENSOR FULL METAL TYPE



RANGE ..... 0...50 m/s  
 MAX. LOAD ..... 60 m/s  
 THRESHOLD ..... <0.7 m/s  
 ACCURACY ..... +/- 0.3 m/s; >15 m/s 2% FS  
 DIMENSIONS ..... max. Ø 35 mm,  
 Height approx. 230 mm  
 WEIGHT ..... approx. 300 Gramm

NO. 4192.0000

#### COMPACT WIND DIRECTION SENSOR FULL METAL TYPE



RANGE ..... 0...359°  
 THRESHOLD ..... <0.7 m/s  
 ACCURACY ..... 2°  
 RESOLUTION ..... 1°  
 DIMENSIONS ..... Housing Ø 35 mm,  
 Height approx. 307 mm  
 WEIGHT ..... approx. 400 Gramm

NO. 4036.0000

#### COMPACT WIND SPEED SENSOR PRECISION TYPE



RANGE ..... 0...50 m/s  
 MAX. LOAD ..... 60 m/s  
 THRESHOLD ..... <0.3 m/s  
 ACCURACY ..... +/- 0.3 m/s; >15 m/s 2% FS  
 DIMENSIONS ..... Cup assembly Ø: approx. 224 mm  
 Height 270 mm  
 WEIGHT ..... approx. 300 Gramm

## ▶ PLEASE CONTACT US:

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