

STATIC WIND SENSOR "QUATRO-MET"



manual

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
- Versions with or without heating

- operates even in rough climates
- professional meteorology
- meteorological and hydro-logical measuring networks
- wind power plants
- sports and recreational facilities



Professional Line	(1642)	Static Wind Sensor QUATRO-MET H		Id-No. 00.16420.010 006
<u>Parameters:</u>		Measuring range:	Accuracy:	Resolution:
Wind direction:		0...360°	± 3°	1°
Wind speed:		0.1...85 m/s	± 0.5 m/s ± 5 % of meas. value	0.1 m/s
Measuring principle:		Thermal		
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 _{DC} / 15 W • heating 24 V _{DC} / 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:		approx. 1.5 kg		
<u>Version:</u>				
00.16420.000 006	(1642)	QUATRO-MET without heating • operating temperature -30...+70 °C no icing		
<u>Accessories:</u>				
32.16420.066 100	(1642 U66)	Cable • 10 m • with 12-pole bayonet plug • ready-made (Other length on request.) Indicator units e.g. (14742) METEO-LCD Data logger Traverses/ Masts and Power supply units see chapter „Periphery“		