

Professional Wind Sensor

These professional, high quality wind sensors go above and beyond what you would expect from an average wind sensor. These sensors measure accurately and present reliable data in demanding wind conditions without recurring maintenance. Housed in special treated aluminum, having an ingress protection rating of 65 and equipped with interior heating, these wind sensors provide incredible dependability no matter the elements.

Uses

- Offshore Industries
- Wind Turbines
- Meteorology
- Wind Warning Systems
- Power Plants
- Airports
- Navigation Data



Features

- Precision, Tradition And Future Reliability
- Large Measuring Range Of 75 m/s
- Very Low Starting Value Of < 0.3 m/s Through The Magnetic, Contactless Measuring Principle
- Extremely High Seawater Resistance Through The High Quality Surface Materials
- Optimal Heating Concept At The 4 – 20 mA Version

Wind Speed Specs

Measuring elements:	3 – Armed Cup Rotor – Fail Safe
Meas. Range / Accuracy:	0.3 – 75 m/s - $\pm 0.3 \text{ m/s} \leq 10 \text{ m/s}$; $\pm 1 \% \text{ FS} - 50 \text{ m/s}$
Resolution / Starting Value:	$< 0.1 \text{ m/s} - < 0.3 \text{ m/s}$
Output:	4 – 20 mA = 0 – 75 m/s
Dimensions / Weight:	Cup Rotor R81 • H235 mm • 0.35 kg
Measuring Principle:	Magnetical Positioning Encoder System (MPES)
Supply Voltage:	With Electr. Controlled Shank Heating • 18 W – 24 V DC) • max. 800 mA
Range of Application:	Temperatures -40 - +70°C • Heated – Max. Gusts of 100 m/s
Update Rate:	4 Hz
Housing / Meas. Elements:	Alu • Special Surfaces • Black • Seawater Resistant – IP 65 In Upright Position – $\varnothing 32\text{mm}$ • bore $\varnothing 30 \text{ mm}$ for mounting at a mast or traverse
Included in Delivery:	Cable 12 m – Plug Connection • 4 pin – Polarity Protected • Ready Made

Wind Direction Specs

Measuring Elements:	Blade Wind Vane – Dimensionally Stable
Measuring Range / Accuracy:	0 – 360° - $\pm 1^\circ$
Resolution / Starting Value:	$< 1^\circ - < 0.3 \text{ m/s}$
Output:	4 – 20 mA = 0 – 360°
Dimensions / Weight	Wind Vane L 174 mm • H 310 mm • 0.4kg
Measuring Principle	Magnetic Positioning Encoder System (MPES)
Supply Voltage	With Electr. Controlled Shank Heating • 18W – 24 V DC (20 – 28 V DC) • max. 800 mA
Range of Application	Temperatures -40 - +70 ° C • Heated – Max. Gusts of 100 m/s
Update Rate	4Hz
Housing / Meas. Elements	Alu • Special Surfaces • Black • Seawater Resistant –IP 65 In Upright Position – $\varnothing 32\text{mm}$ • Bore $\varnothing 30 \text{ mm}$ For Mounting At A Mast Or Traverse Cable 12 m – Plug Connection • 4 pin – Polarity Protected • Ready – Made

Inquire About These Accessories

Mast Adapter • $\varnothing 50 \text{ mm}$
 Traverse (Stepped)
 Traverse (Plane)
 Data Logger e.g. SYNMET or TROPOS

Additional Lambrecht Products Available. Please Call For Details.