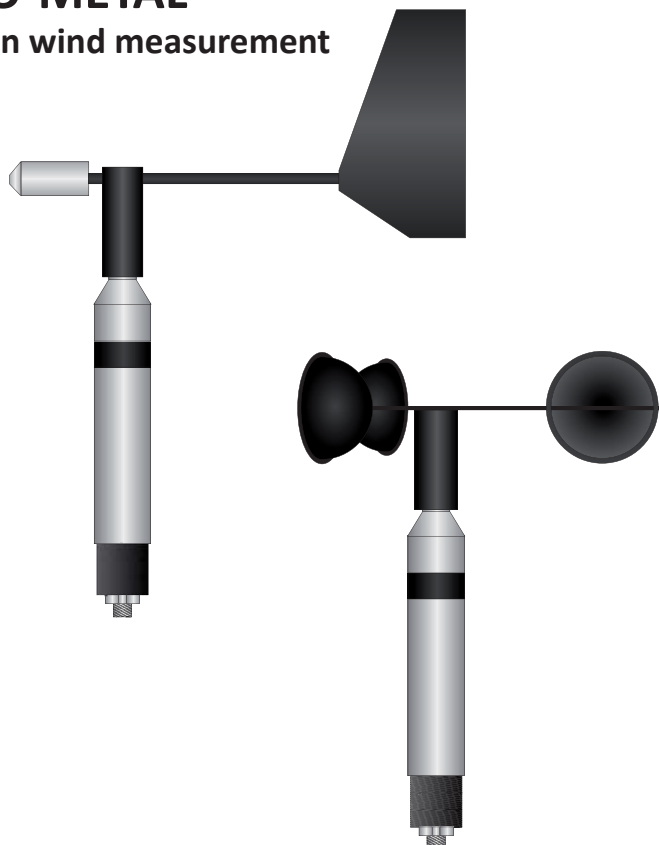




PRO-METAL

Top in wind measurement



LAMBRECHT
closer to the climate **meteo**

Your advantages at a glance

- Frictionless data acquisition through non-contact measuring principle
- Most robust, highly precise and long lasting design
- Highest capacity and longevity through precision ball bearings and high quality measuring elements
- Wind speed max. gusts 100 m/s
- High measuring range of 50 m/s
- Low starting values of < 0.4 m/s
- High resolution of measuring values
- Simple installation and maintenance through cable-plug connection and single screw attachment
- Very low needs of maintenance
- Wide range of operating for all-year application in all climatic zones at wind power plants, ships, buoys, harbours, air ports and professional weather stations

Technical Data

Wind Sensors PRO-METAL with analogue 0...10 V output signal

Measuring principle: Magnetical positioning encoder system (MPES)
 Range of applications: Temperatures -40...+70 °C heated* • rel. humidity 0...100 % • wind speed max. gusts 100 m/s
 Output: 0...10 V • 4 Hz update rate
 Supply voltage: 24 V_{DC} (20...28 V_{DC}) • max. 800 mA • heating • electr. controlled
 Housing: Seawater-resistant aluminium • special surface • silver • IP65 in upright position

Parameters	(14521.9) Wind direction	(14522.9) Wind speed
Measuring elements:	Wind vane • stably Alu • special surface	3-armed cup anemometer • Alu • special surface
Measuring ranges:	0...360°	0...50 m/s
Accuracy:	± 1 %	± 0.3 m/s ≤ 10 m/s; ± 1 % FS ...50 m/s
Resolution:	< 1°	< 0.1 m/s
Starting value:	< 0.4 m/s	< 0.4 m/s
Weight:	400 g	350 g

Cables: Id-No. 32.14567.060 000 12 m cable with plug-in connector on one side and open end on the other
 (order separately) Id-No. 32.14567.060 010 15 m cable with plug-in connector on one side and open end on the other

*) Remark: In case of possible icing and formation of ice at the movable sensor measuring element the function is restricted for the duration of icing.

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Tel +49 (0) 551-4958-0
 E-mail info@lambrecht.net

www.lambrecht.net

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