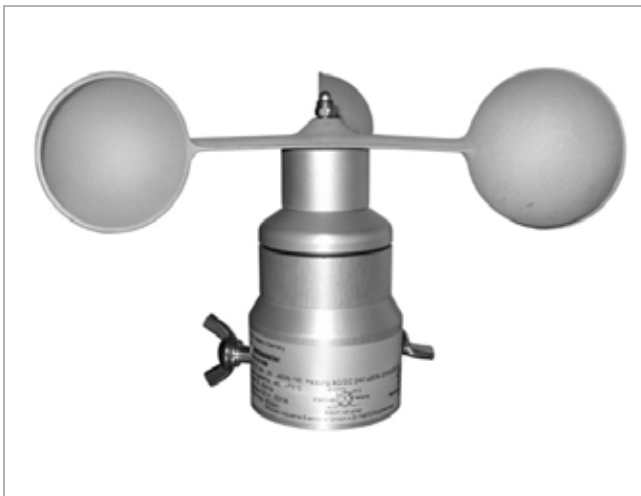
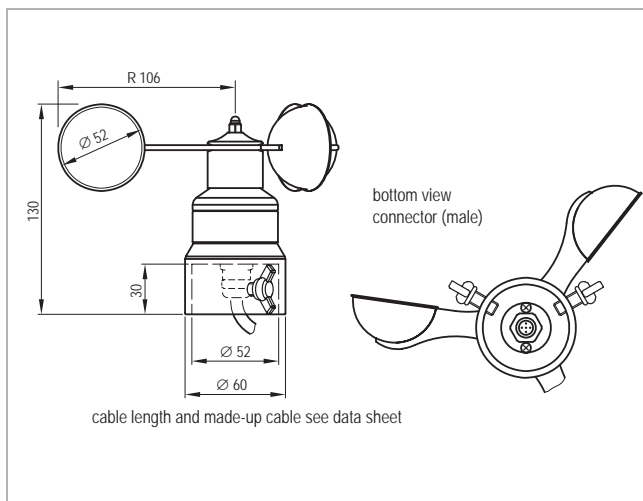


# INT10 M<sup>®</sup> Anemometer

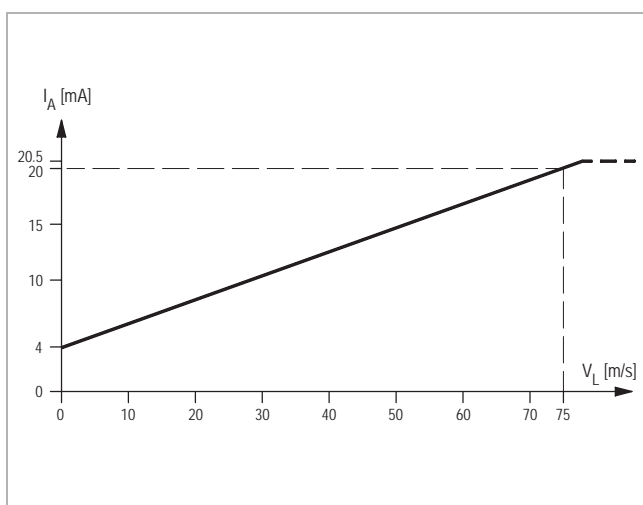
INT10 M<sup>®</sup>



INT10 M



Dimensions in mm



Characteristic line

## Application

KRIWAN anemometers are used for the demanding recording of wind speed, e.g.

- For monitoring crane installations, ski lifts and cable railways
- Wind power generators for energy-optimisation
- In building technology for building protection
- In hydrology and meteorology
- As a weather station component for the building and greenhouse control

## Functional description

The KRIWAN INT10 M Anemometer records the current windspeed and converts it without contacting it into a linear output signal. The sensor is designed to withstand storms and weather. The built-in self-regulating heating allows it to be used at temperatures down to  $-40^{\circ}\text{C}$ . The evaluation is then carried out separately with a measuring device, a display instrument or in the connected control and monitoring system.

This KRIWAN anemometer excel on account of the following features:

- Robust and reliable industrial design
- Low starting torques at high load capacity
- Outstanding precision
- Wear-free recording of measurement data
- Optimised power requirement through electronic heater control
- Simple installation
- Extended temperature range
- Integrated overvoltage protection
- Impact and vibration-resistant
- Maintenance free



The unit must be connected by trained electrical personnel. All valid European and national standards for connecting electrical equipment must be observed. To avoid any consequential damage or operational failure, through direct or indirect excitation in the event of lightning strikes, we recommend that a separate lightning protection device be fitted by the customer.

## See overleaf for technical specifications

### Order data

INT10 M Anemometer 0-75m/s; 4-20mA; mast mounting; 5-pin plug; heating	<b>13 N 290 S100</b>
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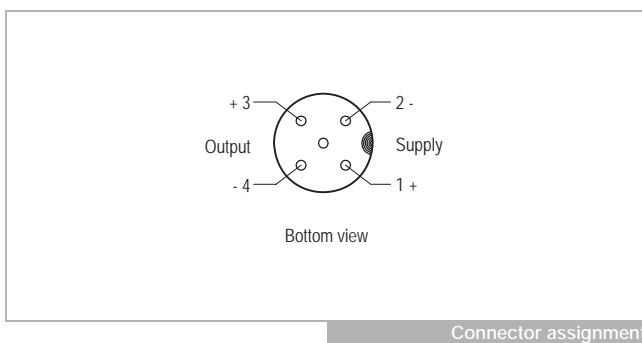
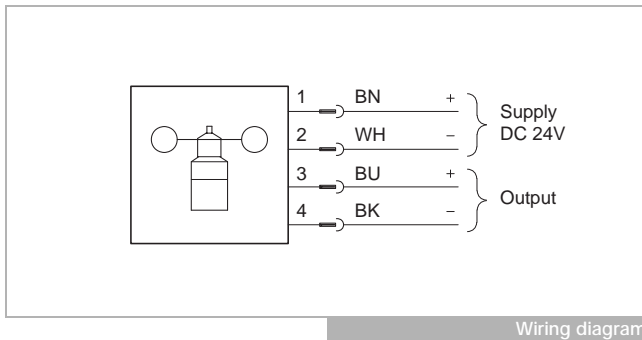
### Spare parts

Spare parts package cup anemometer (cup anemometer, cap nut, serrated washer)	<b>02 Z 160</b>
VA-wing screws, M8x16mm	<b>HS08016600</b>
Connecting cable 8m with cable box M12	<b>02 Z 291 S21</b>

Technical changes reserved

# INT10 M<sup>®</sup> Anemometer

## INT10 M<sup>®</sup>



### Technical specifications

Measuring principle	Noncontact, magnetic scanner
Measuring range	0-75m/s
Accuracy	±0.5m/s ( $V \leq 50\text{m/s}$ ) ±3% FS ( $V > 50\text{m/s}$ )
Resolution	<0.1m/s
Start-up speed	<0.4m/s ( $\theta_U = 20^\circ\text{C}$ )
Supply	DC 24V -25...+50%, reverse-polarity protection
Signal output	DC 4-20mA, limited to 20.5mA
Signal availability	Max. 2.5s (from voltage-free state)
Load resistor = cable + load resistor	≤ 600Ω
Connection type	5-pin plug (M12)
Permitted ambient temperature	-40...+70°C
Permitted rel. humidity	0-100% r.h.
Strength	For wind speed of 80m/s (max. 30 min)
Heating	Automatic heating controller, AC/DC 24V ±20%, max. 20VA SELV
Protection class acc. to EN 60529	IP64 for intended use sensor mounting
Mounting	Steel tube mast max. $\varnothing_{\text{exterior}}$ 50mm min. $\varnothing_{\text{interior}}$ 37mm
Dimensions	Refer to dimensions in mm
Housing material	Aluminium
Cup anemometer	Aluminium
Corrosion resistance	Seawater-resistant alloy
Weight	Approx. 400g
Check base	EN 61000-6-2 EN 61000-6-3 EN 61010-1
Approval	UL File No. N.N.