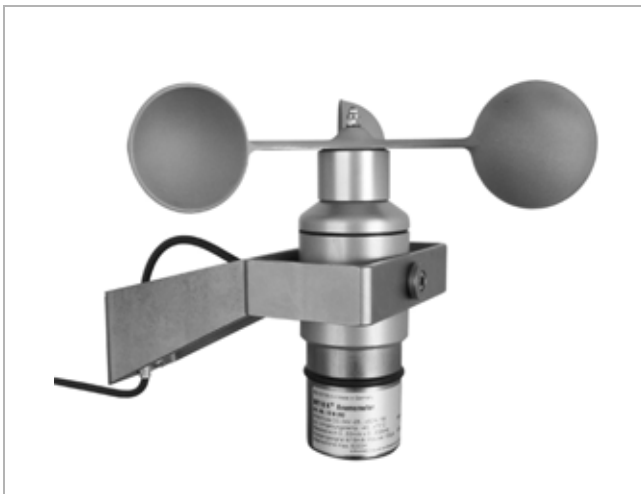
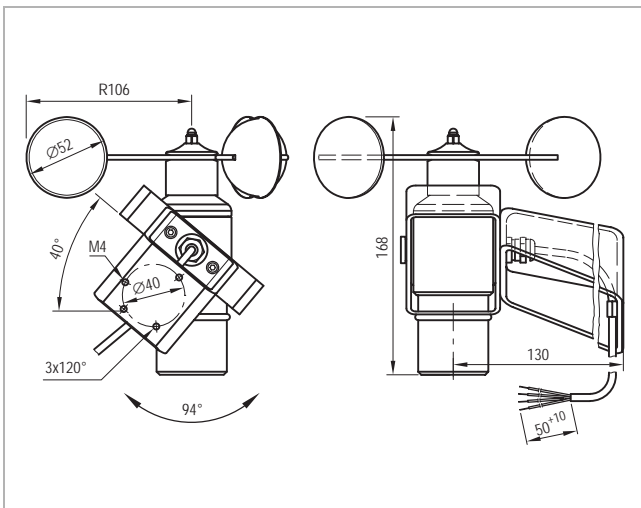


INT10 K[®] Anemometer

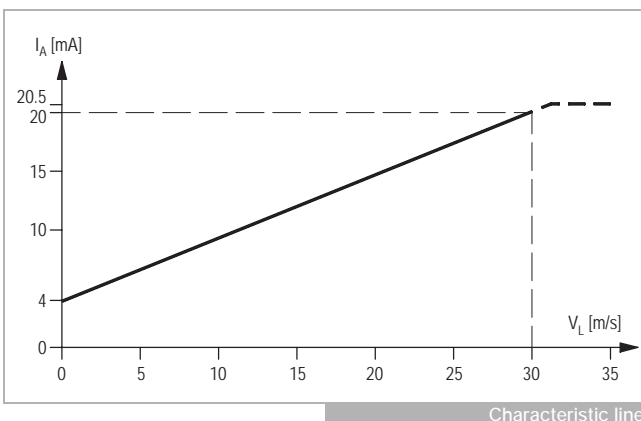
INT10 K[®]



INT10 K Pendulum version



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 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°C. The evaluation is then carried out separately with a measuring device, a display instrument or in the connected control and monitoring system.

Fastening to the on-site surroundings is done by a flange.

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
- Pendulum construction for automatic upright alignment
- Extended temperature range
- Integrated overvoltage protection
- Impact and vibration-resistant
- UL / CSA - approval
- 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 K Anemometer 0-30m/s; 4-20mA; pendulum; 13 N 292 S28
3m cable; heating: UL

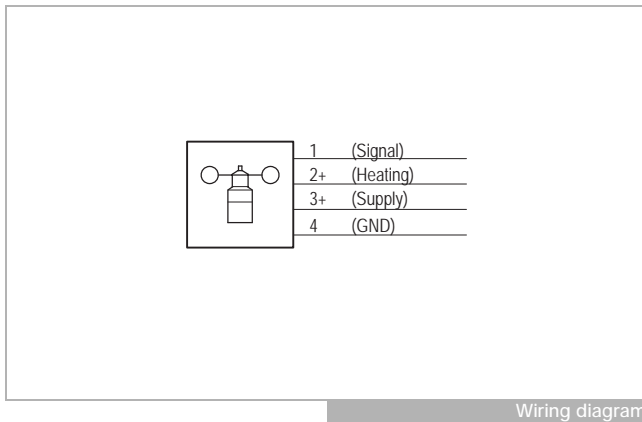
Spare parts

Spare parts package cup anemometer 02 Z 160
(cup anemometer, cap nut, serrated washer)

Technical changes reserved

INT10 K[®] Anemometer

INT10 K[®]



Technical specifications

Measuring principle	Noncontact, magnetic scanner
Measuring range	0-30m/s
Accuracy	±(10% of measured value +0.5m/s) at 0-30m/s
Resolution	<0.1m/s
Start-up speed	<0.4m/s ($\theta_u = 20^\circ\text{C}$)
Supply	DC 24V -25...+50%, max. 30mA 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	$R_{\text{Load}} \leq 600\Omega$
Connection type	Cable (3m), 4x0.5mm ² Polyurethane sleeve insulation Thermoplastic elastomer lead insulation
Permitted ambient temperature	-40...+70°C Heating not connected: snow and ice free sensor required.
Permitted rel. humidity	0-100% r.h.
Strength	For wind speed of 80m/s (max. 30min)
Heating	Automatic heating controller, AC/DC 24V ±20%, max. 20VA SELV
Protection class based on EN 60529	IP64 for intended use sensor mounting
Mounting	Lateral flange mount refer to dimensions
Dimensions	Refer to dimensions in mm
Housing material	Aluminium/steel
Cup anemometer	Aluminium
Corrosion resistance	Seawater-resistant alloy (aluminium); steel nickel-plated
Weight	Approx. 1.7kg
Check base	EN 61000-6-2 EN 61000-6-3 EN 61010-1
Approval	UL File No. N.N.