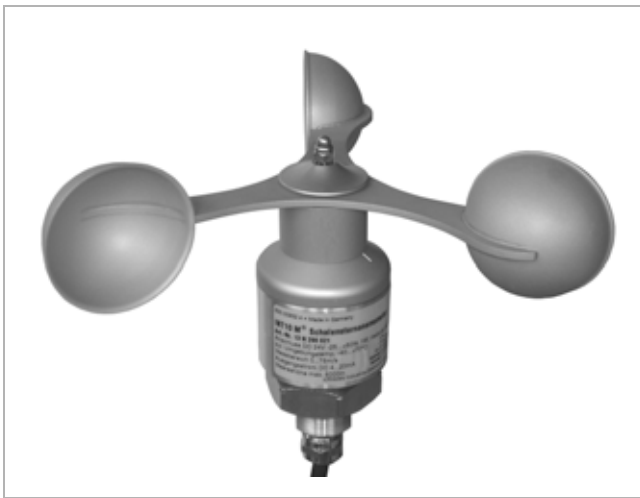


INT10 OC Schalensternanemometer

with Open Collector frequency output

INT10 OC



INT10 OC

Application

KRIWAN vane anemometer INT10 OC are used for demanding recording of wind speed, e.g. for wind energy plants.

Functional description

The KRIWAN INT10 OC vane anemometer records the current wind speed and converts it without contacting it into a linear output signal (0...573Hz). The sensor is designed to withstand storms and weather. The installed, automatic heater control means it can be used down to -40°C. Evaluation is conducted separately over a measuring device or recording unit, a display instrument or other meteorological recording systems.

This KRIWAN vane anemometer excel on account of the following features:

- Robust and reliable industrial design
- Low starting torques at high load capacity
- Extended measuring range and high resolution
- Outstanding precision
- Wear-free recording of measurement data
- Optimised power requirement through electronic heater control
- Simple installation
- Extended temperature range
- 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.

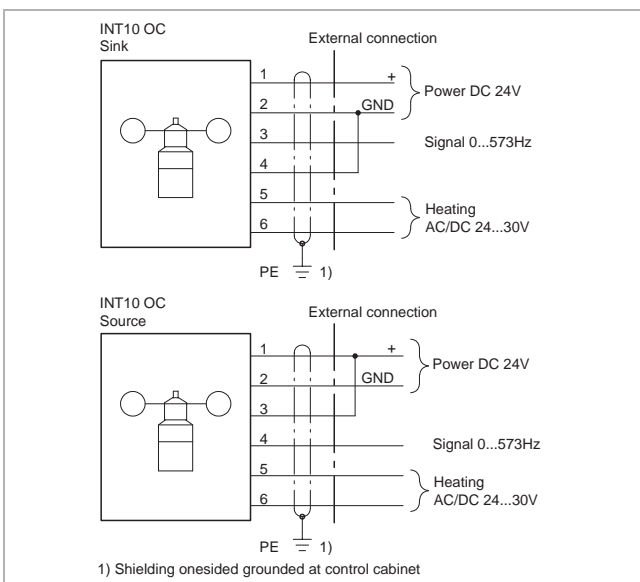
See overleaf for technical specifications

Order data

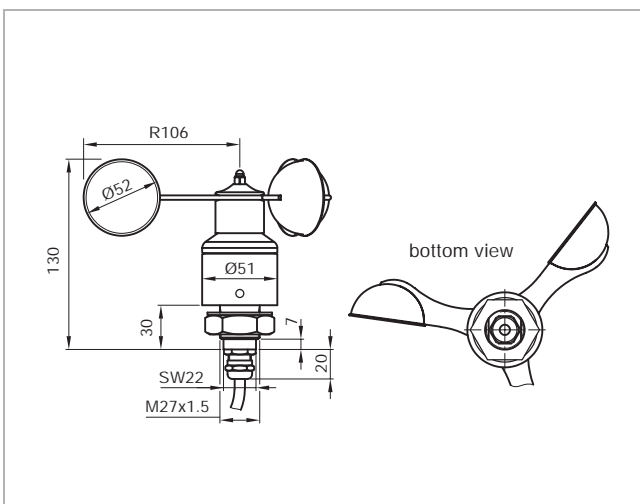
INT10 OC vane anemometer 0...50m/s, 5m cable	13 N 293
Heating transformer	52 N 120

Spare parts

Vane assembly	HO020012
Hex-nut M27x1,5	HM27002400
Serrated lock washer J28	HX28014600



Wiring diagram



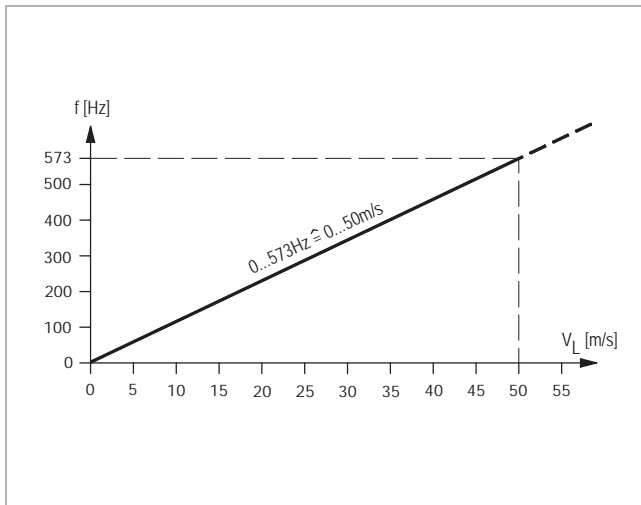
Dimensions in mm

Technical changes reserved

INT10 OC Schalensternanemometer

with Open Collector frequency output

INT10 OC



Characteristic line

Technical specifications

Heating transformer

Supply	AC 50Hz 230V ±10% 50VA
Output voltage	AC 50Hz 30V, 30VA
Protection class acc. to EN 60529	IP54
Mounting	Screw mounted
Dimensions [mm]	125x125x75
Weight	Approx. 1.3kg
Part number	52 N 120

Technical specifications

Measuring principle	Noncontact, magnetic scanner
Measuring range	0...50m/s
Resolution	< 0.1m/s
Accuracy	±0.5m/s
Start-up speed	< 0.4m/s
Signal availability	Max. 2.5s (from voltage-free state)
Permitted ambient temperature	-40...+70°C Heating not connected: snow and ice free sensor required.
Permissible rel. humidity	0...100% r.h.
Strength	For wind speed of 80m/s (max. 30 min)
Signal output	Open-collector (sink or source) 0...573Hz for measuring range, max. 15mA; max. 36V DC
Supply	DC 24V ±50%, reverse-polarity protection
Connection type	Cable, 6x0.5mm ² , screened; core cable ends
Cable material	Polyurethane sleeve insulation Thermoplastic elastomer lead insulation
Heating	Automatic heater control AC/DC 24...30V ±20%, max. 18VA
Protection class acc. to EN 60529	IP64 for vertical mounting position of sensor
Mounting	Central mounting M27 (Flange bore >28mm)
Dimensions	Refer to dimensions
Housing material	Aluminium
Vane	Aluminium
Corrosion resistance	Seawater-resistant composition
Weight	Approx. 750g
Approval	UL File No. N.N.