

KRIWAN wind measurement



**High-precision measurements
of wind and weather**



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Safety and reliability



Expertise, experience and outstanding product quality have made KRIWAN a market-leading vendor of wind measurement products.

All wind sensors are permanently monitored during production and subjected to extreme testing. Thus, they can be used to prevent system failures and prevent injury and damage to humans and machinery respectively.

Precise and sturdy

When technical systems are permanently subjected to all types of ambient conditions, it is important to be able to monitor all changes to the weather in a comprehensive and reliable manner so that humans and machinery are protected against harm and damage.

Reliability is paramount

Extreme temperatures, humidity, storms or hail can damage the functionality of such systems.

KRIWAN sensors are robust against severe weather and external forces, and ensure that systems continue to operate reliably even under extreme conditions.

The right type of sensor for the job

Three product lines have been specially developed for various types of applications:

- **eco line**
Basic product for simple tasks, unheated
- **business line**
Standard product for industrial applications, with heating
- **premium line**
Meteo sensor for meteorological applications, with heating

Made-to-measure



eco line

KRIWAN eco line was specially developed for wind sensor applications with straightforward requirements. This product line impresses with its clearly specified measuring ranges and standard output signals of 0–10V or 4–20 mA. It consists of the standard cup anemometer with standard wind vane, requires a start-up torque of 0.5 m/s and can measure wind speeds of up to 55 m/s.

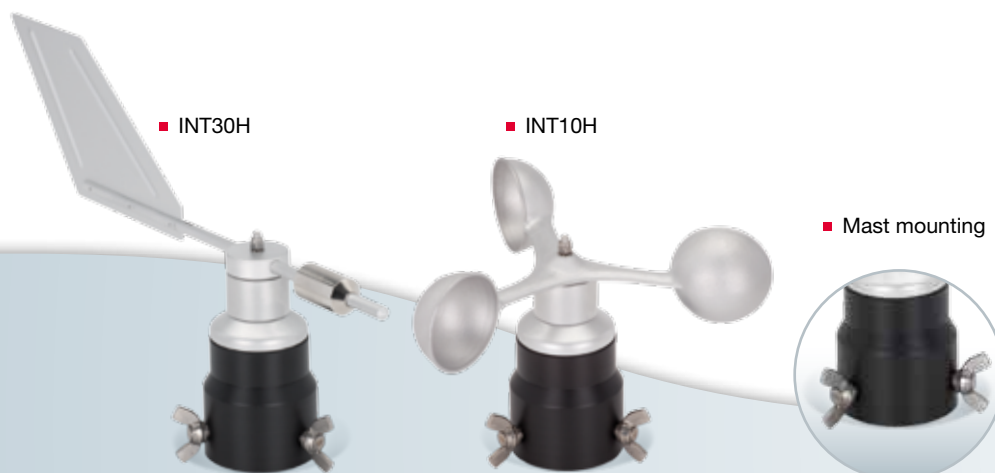
The **eco line** operates without heating and is thus suitable for applications where the ambient temperature remains above zero.

Product advantages

- Standard measuring ranges
- Two different output signals
- Mast mounting
- Sturdy wind vane and cup anemometer
- Compact size, unheated
- Integrated overvoltage protection
- Simple installation, maintenance free

Applications

- Agricultural meteorology
- Solar power stations
- Golf courses
- Construction site monitoring
- Food industry
- Elevated work platforms
- Animal husbandry





business line

The **KRIWAN business line** consists of wind sensors that are best suited for industrial applications. The sensor is storm-proof and weather-proof. Various measuring ranges and output signals, various mounting and electrical connection options are the most impressive aspects of this product range.

For series production, interfaces can be adapted to the system requirements. The experts at KRIWAN also offer fully customised sensor solutions.

With all variants, the sensor can be equipped with a high-performance heater.

Product advantages

- Different measuring ranges available
- All typical output signals available
- Optimised power requirement through electronic heater control
- Sturdy industry version, impact- and vibration resistant
- Integrated overvoltage protection
- UL/CSA-approval
- Simple installation, maintenance free

Applications

- Tunnel systems
- Cable car systems
- Snowmaking industry
- Mobile cranes
- Wind farms
- Hydrology
- Avalanche warning systems

■ Mast mounting



■ Central mounting



■ Pendulum version



■ INT30



■ INT10/INT10 K



Focus on solutions



premium line

The **KRIWAN premium line** consists of WMO-compliant wind measurement instruments with extremely low start-up torques that can precisely measure wind speeds of up to 75 m/s. Other impressive features of this product line include overvoltage protection, precisely balanced cup anemometers and wind vanes, variable mounting options, electronic heater control – all with highest precision.

Typical application areas range from airports to meteorological and hydrological stations with extreme weather conditions. All products in the premium line can be calibrated at the testing lab and also offer extremely long product life.

Product advantages

- Meteorological measurement ranges
- Extended temperature range
- All typical output signals are available
- Optimised power requirement through electronic heater control
- Impact- and vibration resistant, maintenance free
- Integrated overvoltage protection
- UL/CSA-approval
- WMO-compliant, can be calibrated at testing centre

Applications

- **Meteorology**
- **Traffic meteorology**
- **Airfields**
- **Heli pads**
- **Buoys**
- **Maritime industry**

■ Mast mounting

■ Central mounting



■ INT30M



■ INT10M



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