



WIND SENSORS

SERIES AND SPECIAL SOLUTIONS



MAXIMUM PERFORMANCE IN SERIES

OUR WIND SENSOR PORTFOLIO

FSG-Wind Sensors are used to record and monitor wind speed and direction. In the robust versions with central mounting for base or standpipe mounting or with pendulum device, especially for mounting on crane jibs, the sensors can be used universally in all areas of application.

The Wind Sensors are usually equipped with a wear-free, magnetic measuring system, on request also in redundant design and with additional reed contact for wind detection even when the supply voltage is switched off, or available as a design with tachogenerator for the application without additional voltage supply.

1 MAXIMUM FUNCTIONALITY

- Measuring system magnetic, contactless
- Central fixing
- Pendulum version

2 MAXIMUM FLEXIBILITY

- Measuring range: 0–40 m/s
- Cup star: rigid, resilient (measuring range 0 - 20 m/s) or robust

3 MAXIMUM RELIABILITY

- IP code: IP65 (with vertical alignment)
- Explosion protection ATEX / IECEx

5 MAXIMUM OPTIONS

- Integrated heating system
- Measuring range up to 50 m/s
- Tachogenerator without supply voltage
- Protective coating against seawater
- Redundant measuring principle

4 MAXIMUM COMPATIBILITY

- 4–20 mA
- 0–3,4 V / 0–10 V
- CAN / CANopen / CANopen-safety
- ProfiNet
- pulse output



Electrical and mechanical adaptations are also possible for **small** quantities at any time on request.







info@fsg-sensors.de





OUR EXECUTIONS

WIND SENSOR

-  Central fixing
-  Pendulum version
-  With Obstruction light **NEW**
-  With Hazard Beacon **NEW**

WIND DIRECTION INDICATOR

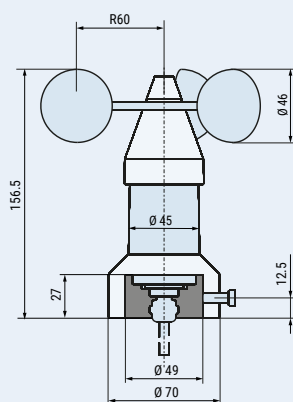
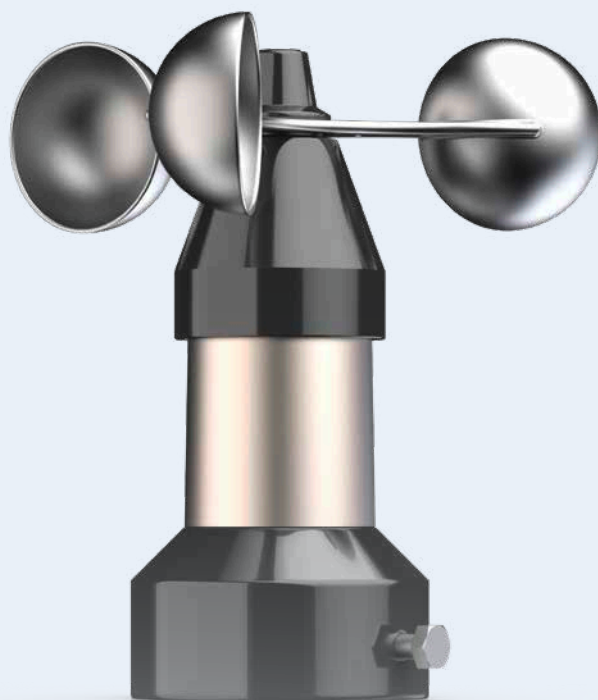
-  Central fixing
-  Pendulum version

WIND SENSOR







AN-60-Z-MH

CENTRAL FIXING

Wind Sensor with central fixing



OPTIONAL

-  ATEX / IECEx approval
-  Shaft heating
-  REED-Contact
-  Proof varnishing
-  Certificate for calibration
-  Measuring system redundant

Cup star 

- rigid
- robust
- resilient

available in following
VERSIONS

Type designation	Signal output
AN-60-Z-MH-2L	4-20 mA / 2-wire technology
AN-60-Z-MH-2L-Ex	4-20 mA / Atex
AN-60-Z-MH-3L	4-20 mA / 3-wire technology
AN-60-Z-MH-SPA	0-10 V
AN-60-Z-MH-CAN	CAN-Bus / CANopen
AN-60-Z-MH-Pnet	Profinet
AN-60-Z-GEN with Tachogenerator	0-3,4 V / 2-wire technology

CE – conform



TECHNICAL DATA

Housing material	aluminum, grey lacquered
Housing diameter	Ø 45 mm
Housing length	157 mm
IP code of housing	IP65
Measuring range	0-40 m/s (max. 50m/s)
Temperature range heated	- 40 °C up to + 70 °C
Temperature range normal	- 20 °C up to + 70 °C
Shock	50 g, 6 ms
Vibration	4 g Sinus, 5-100 Hz

Connection	plug or cable
Weight	800 g
Maximum load (Current output)	600 Ω
Optional	Atex approval IECEx approval
Accuracy	± 3 % + 0,5 m/s Offset
Supply	18-36 V DC
Shaft heating <5°C	18-33 V DC max. 0,4 A
Current consumption	< 80 mA without heating
Immunity standard	EN61000-6-2
Emission standard	EN61000-6-4

You can find all data sheets
on www.fsg-sensors.de

WIND SENSOR

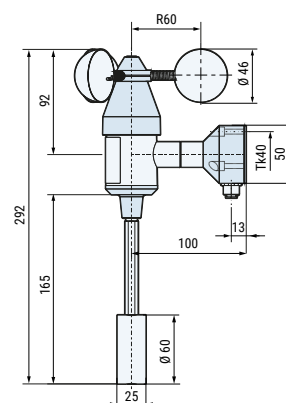
AN-60-P-MH

PENDULUM VERSION

Wind Sensor in Pendulum version,
especially for the use on
moving objects

OPTIONAL

-  Shaft heating
-  REED-Contact
-  Proof varnishing
-  Certificate for calibration

Cup star 
 rigid robust resilient


available in following
VERSIONS

Type designation	Signal output
AN-60-P-MH-2L	4-20 mA / 2-wire technology
AN-60-P-MH-3L	4-20 mA / 3-wire technology
AN-60-P-MH-SPA	0-10 V
AN-60-P-MH-CAN	CAN-Bus / CANopen
AN-60-P-MH-Pnet	Profinet
AN-60-P-GEN with Tachogenerator	0-3,4 V / 2-wire technology

CE – conform

TECHNICAL DATA

Housing material	aluminum, grey lacquered	Connection	plug or cable
Housing diameter	Ø 45 mm	Weight	800 g
Housing length	292 mm	Maximum load (Current output)	600 Ω
IP code of housing	IP65	Accuracy	± 3 % + 0,5 m/s Offset
Measuring range	0-40 m/s (max. 50m/s)	Supply	18-36 V DC
Temperature range heated	- 40 °C up to + 70 °C	Shaft heating <5°C	18-33 V DC max. 0,4 A
Temperature range normal	- 20 °C up to + 70 °C	Current consumption	< 80 mA without heating
Shock	50 g, 6 ms	Immunity standard	EN61000-6-2
Vibration	4 g Sinus, 5-100 Hz	Emission standard	EN61000-6-4

You can find all data sheets
on www.fsg-sensors.de



WIND DIRECTION INDICATOR

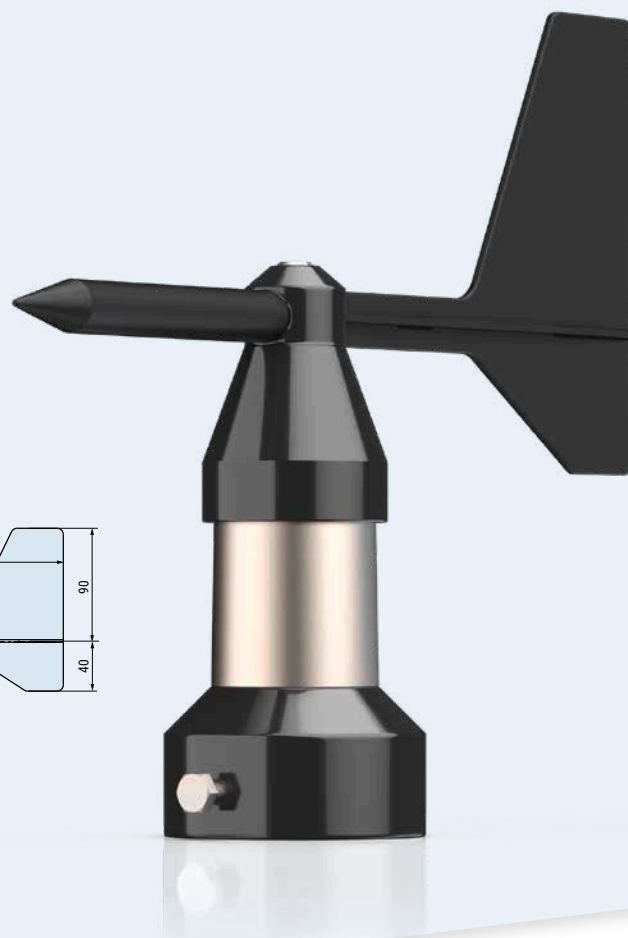
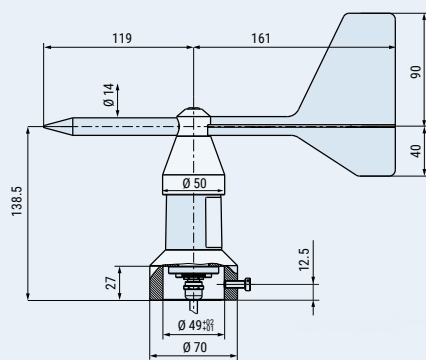
WR-Z-MH

CENTRAL FIXING

Wind direction indicator with central fixing

OPTIONAL

-  Shaft heating
-  Proof varnishing



available in following VERSIONS

Type designation	Signal output
WR-Z-MH-2L	4–20 mA / 2-wire technology
WR-Z-MH-3L	4–20 mA / 3-wire technology
WR-Z-MH-SPA	0–10 V
WR-Z-MH-CAN	CAN-Bus / CANopen
WR-Z-MH-Pnet	Profinet

CE – conform

TECHNICAL DATA

Housing material	aluminum, grey lacquered
Housing diameter	Ø 45 mm
Housing length	229 mm
IP code of housing	IP65
Measuring range	0–360°
Resolution	1°
Temperature range heated	- 40 °C up to + 70 °C
Temperature range normal	- 20 °C up to + 70 °C
Shock	50 g, 6 ms

Vibration	4 g Sinus, 5–100 Hz
Connection	plug or cable
Weight	800 g
Maximum load (Current output)	600 Ω
Accuracy	2 %
Supply	18–36 V DC
Shaft heating <5°C	18–33 V DC max. 0,4 A
Current consumption	< 80 mA without heating
Immunity standard	EN61000-6-2
Emission standard	EN61000-6-4

You can find all data sheets
on www.fsg-sensors.de



WIND DIRECTION INDICATOR

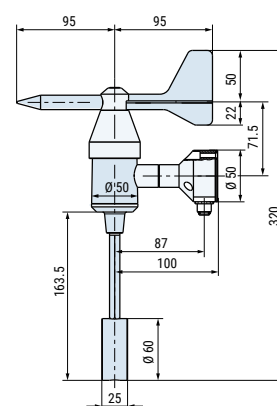
WR-P-MH

PENDULUM VERSION

Wind direction indicator in Pendulum version, specially designed for use on moving objects

OPTIONAL

-  Shaft heating
-  Proof varnishing



available in following
VERSIONS

Type designation	Signal output
WR-Z-MH-2L	4–20 mA / 2-wire technology
WR-Z-MH-3L	4–20 mA / 3-wire technology
WR-Z-MH-SPA	0–10 V
WR-Z-MH-CAN	CAN-Bus / CANopen
WR-Z-MH-Pnet	Profinet

CE – conform

TECHNICAL DATA

Housing material	aluminum, grey lacquered
Housing diameter	Ø 45 mm
Housing length	320 mm
IP code of housing	IP65
Measuring range	0–360°
Resolution	1°
Temperature range heated	- 40 °C up to + 70 °C
Temperature range normal	- 20 °C up to + 70 °C
Shock	50 g, 6 ms

Vibration	4 g Sinus, 5–100 Hz
Connection	plug or cable
Weight	800 g
Maximum load (Current output)	600 Ω
Accuracy	2 %
Supply	18–36 V DC
Shaft heating <5°C	18–33 V DC max. 0,4 A
Current consumption	< 80 mA without heating
Immunity standard	EN61000-6-2
Emission standard	EN61000-6-4

You can find all data sheets
on www.fsg-sensors.de

AN-60-HF

WIND SENSOR WITH OBSTRUCTION LIGHT






Wind Sensor with integrated Obstruction Light

The new Wind Sensor with integrated Obstruction Light guarantees reliable measured values and shadow-free light intensity. The device complies with the lighting requirements according to AVV and the standards and recommendations of ICAO and has a redundant lighting concept.

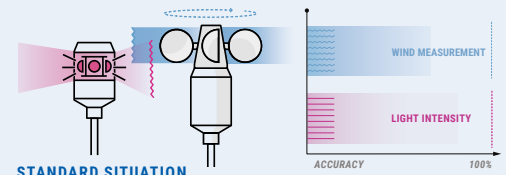
This combination has many more advantages:

- Optimal measurement results due to missing wind shading
- No maintenance costs and reduced assembly times
- Accurate positioning ensures reduced light pollution
- Corrections of the vertical position with the pendulum

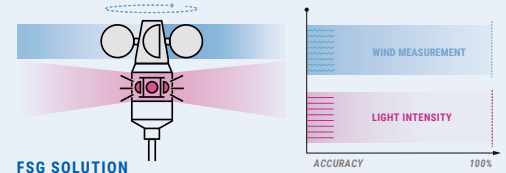
OPTIONAL

 REED-Contact	 Cup star
 Proof varnishing	<input checked="" type="checkbox"/> rigid
 Certificate for calibration	<input checked="" type="checkbox"/> robust
 Shaft heating	<input checked="" type="checkbox"/> resilient

ABSOLUTELY ACCURATE WITHOUT SHADING



The obstruction light disables the airflow and the wind sensor obstructs the uniform radiation of the light.



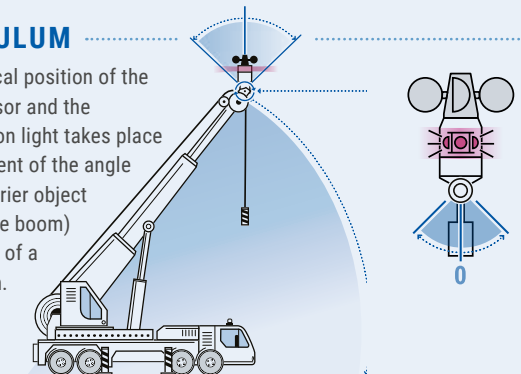
Reliable, accurate readings and unrestricted light intensity by combining two systems.

LUMINOUS BODY

- Horizontal radiation angle of 360°
- Optionally with automatic twilight switch
- Redundant light concept

PENDULUM

The vertical position of the wind sensor and the obstruction light takes place independent of the angle of the carrier object (e.g. crane boom) by means of a pendulum.



TECHNICAL DATA WIND SENSOR

Housing material	aluminum, grey lacquered	Connection	plug or cable
Housing	Ø 60 mm	Weight	ca. 1,7 kg
Housing length	386 mm	Maximum load (Current output)	600 Ω
IP code of housing	IP65	Accuracy	± 3 % + 0,5 m/s Offset
Measuring range	0–40 m/s (max. 50m/s)	Supply	18–36 V DC
Temp. range heated	- 40 °C up to + 58 °C	Shaft heating <5°C	18–33 V DC max. 0,4 A
Temp. range normal	- 20 °C up to + 58 °C	Current consumption	< 80 mA without heating
Shock	25 g, 6 ms	Immunity standard	EN61000-6-2
Vibration	3 g Sinus, 5–1000 Hz	Emission standard	EN61000-6-4

AVAILABLE SIGNAL OUTPUTS

Type designation	Signal output
AN-60-P-MH-2L	4–20 mA / 2-wire technology
AN-60-P-MH-3L	4–20 mA / 3-wire technology
AN-60-P-MH-SPA	0–10 V
AN-60-P-MH-CAN	CAN-Bus / CANopen
AN-60-P-MH-Pnet	Profinet

CE – conform



WIND SENSOR

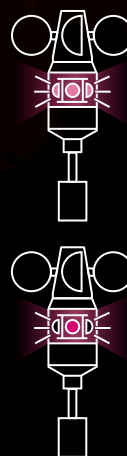
The anemometer is made of aluminum, anodized and equipped with rigid cup star as standard. The electrical connection is freely selectable.

SHAFT HEATING

The electronically controlled heater switches on automatically at a temperature of +5 °C and ensures the operating range of both devices down to -40 °C.

FAIL-SAFE DUE TO REDUNDANT LED CONCEPT

The minimum luminous intensity of 10 cd is guaranteed at all times. Since all LED's only work with reduced power in normal operation, the power of functioning LED's can be increased to such an extent that the required luminous intensity is still guaranteed in case of LED failures.



NORMAL OPERATION

all LED's work with reduced power

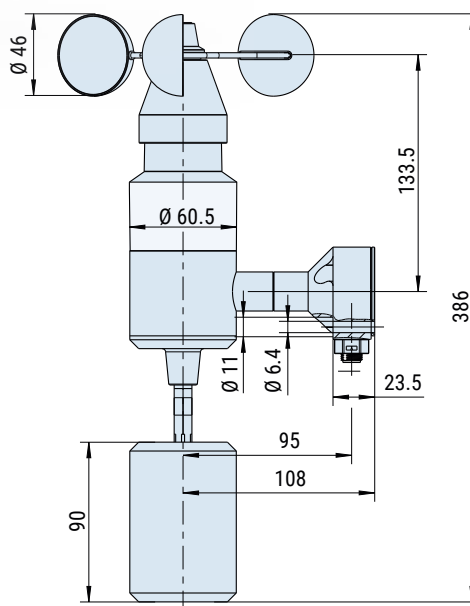
IN CASE OF MALFUNCTION

Power of each LED is adjusted to guarantee the minimum luminous intensity

 NORMAL OPERATION  FAILURE  INCREASED PERFORMANCE

TECHNICAL DATA OBSTRUCTION LIGHT

Illuminants	2 x LED-Array
Minimum luminous intensity	10 cd (red) 32 cd (red)
Power input	5,6 W without heating
Electronic	redundant
Lifetime (LM80 (17 k))	> 36.000 h (LED)
AVV	at 10 cd – yes ES – yes (extended specification)
ICAO	at 10 cd – Low-intensity, Typ A at 32 cd – Low-intensity, Typ B
WSV-Certificate	at 10 cd – yes at 32 cd – no



AN-60-GF

WIND SENSOR WITH HAZARD BEACON


First Wind Sensor with integrated Hazard Beacon

Two in one - FSG combines the Wind Sensor and the Hazard Beacon in one sensor. This unique combination ensures perfect measurement values of the Wind Sensor and optimal light scattering of the Hazard Beacon. The redundant concept of the Hazard Beacon fulfills all requirements of the AVV for Hazard beacons.

This combination has many more advantages:

- Optimal measurement results due to lack of wind shading
- Reduced maintenance costs and assembly time
- Precise positioning ensures reduced light pollution
- Reliable vertical positioning due to motorized leveling

OPTIONAL

-  Cup star
-  REED-Contact
-  Proof varnishing
-  Certificate for calibration
-  Shaft heating
- rigid
- robust
- resilient

TECHNICAL DATA WIND SENSOR

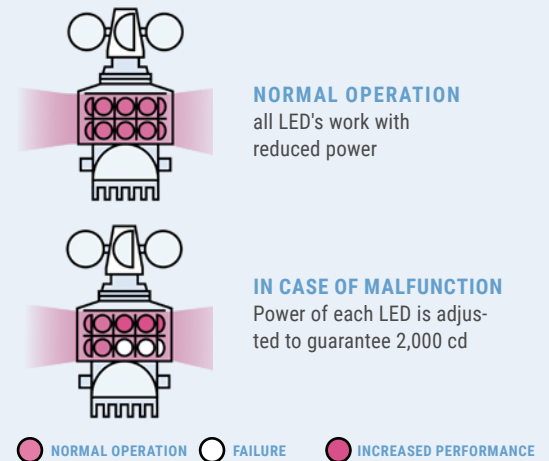
Housing material	aluminum, grey lacquered	Connection	plug or cable
Housing	Ø 150 mm	Weight	6 kg
Housing length	351 mm	Maximum load	600 Ω
IP code of housing	up to IP65	Accuracy	± 3 % + 0,5 m/s Offset
Measuring range	0–40 m/s (max. 50m/s)	Supply	18–36 V DC
Temp. range heated	- 40 °C up to + 55 °C	Shaft heating <5°C	18–33 V DC max. 0,4 A
Temp. range normal	- 20 °C up to + 55 °C	Current consumption	< 80 mA without heating
Shock	15 g, 6 ms	Immunity standard	EN61000-6-2
Vibration	5 g Sinus, 10–2000 Hz	Emission standard	EN61000-6-4

LUMINOUS BODY

- Horizontal beam angle of 360°
- Automatic twilight switch is possible
- Extension with infrared beacon is possible

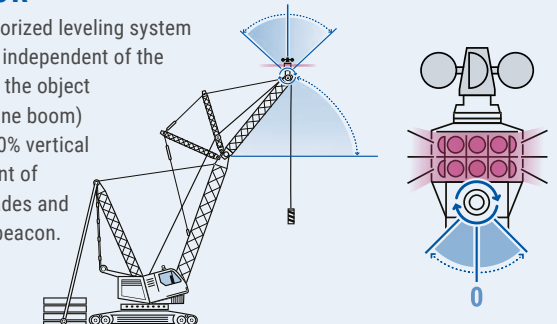
Fail-safe due to redundant LED concept

The minimum luminous intensity of 2,000 cd is guaranteed at all times. Since all LEDs operate in normal mode only with reduced power, the power of functioning LEDs can be increased to such an extent that the luminous intensity of 2,000 cd is still guaranteed in the event of LED failures.



MOTOR

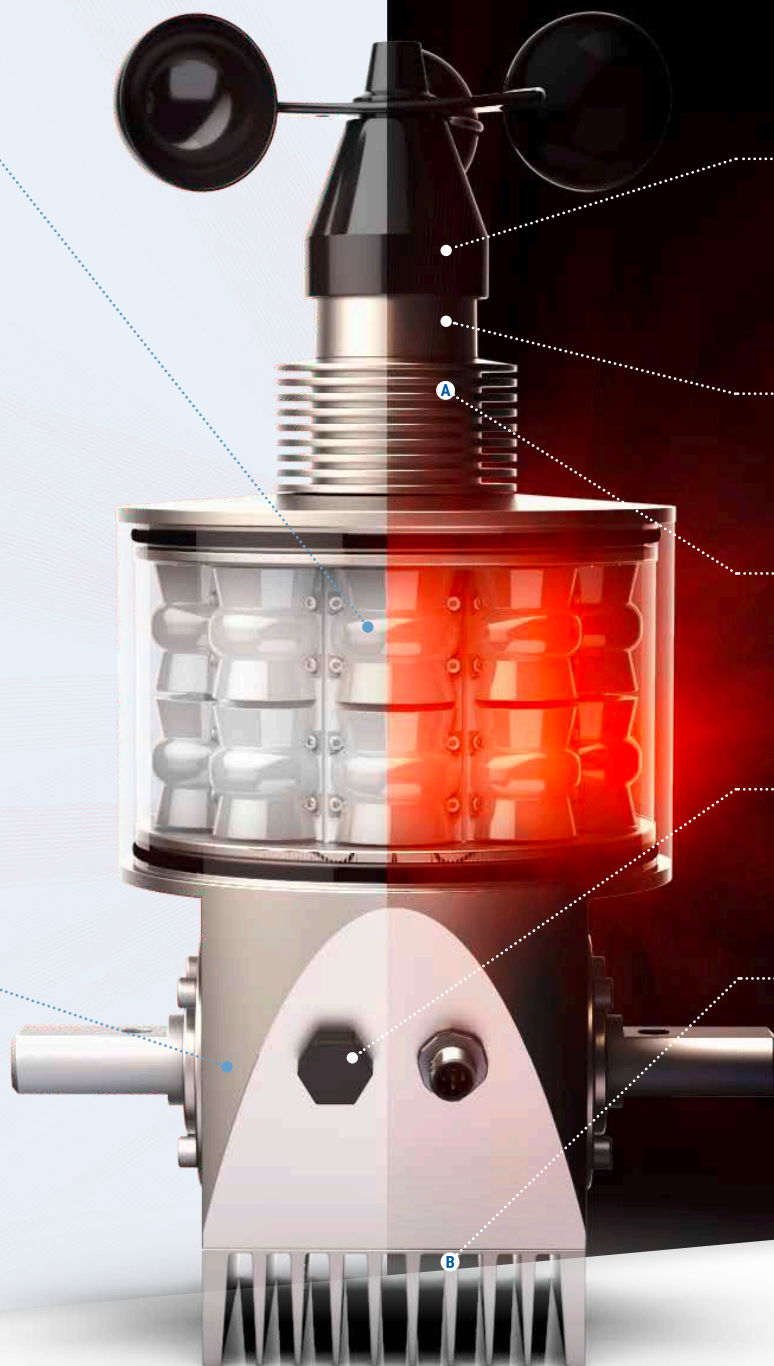
The motorized leveling system ensures independent of the angle of the object (e.g. crane boom) for a 100% vertical alignment of wind blades and hazard beacon.



AVAILABLE SIGNAL OUTPUTS

Type designation	Signal output
AN-60-Z-MH-2L	4–20 mA / 2-wire technology
AN-60-Z-MH-3L	4–20 mA / 3-wire technology
AN-60-Z-MH-SPA	0–10 V
AN-60-Z-MH-CAN	CAN-Bus / CANopen
AN-60-Z-MH-Pnet	Profinet

CE – conform



WIND SENSOR

The wind sensor is made of aluminum, anodized and equipped with rigid cup star as standard. The electrical connection is freely selectable. Various mounting options can be realized after consultation.

SHAFT HEATING

The electronically controlled heater switches on automatically at a temperature of +5 °C and ensures the operating range of both devices down to -40 °C.

COOLING **A**

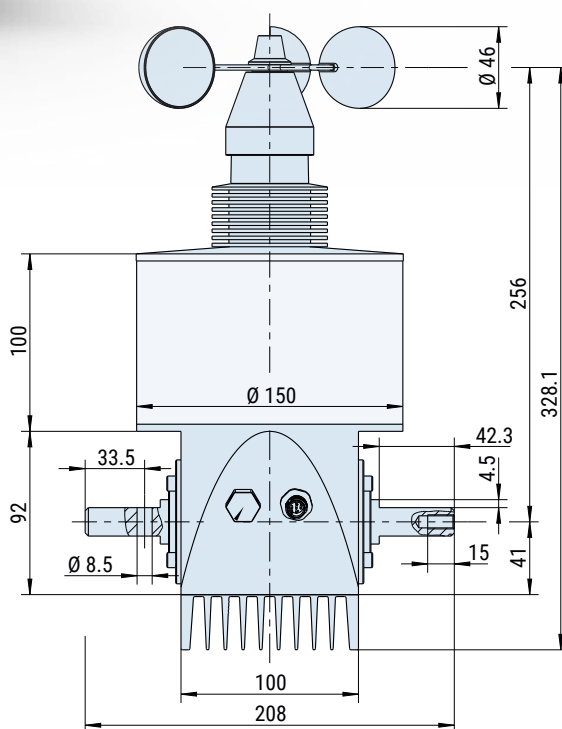
The upper cooling fins ensure that heat is dissipated upwards. This ensures that the max. operating temperature is not exceeded.

PRESSURE EQUALIZATION

The valve permanently equalizes the pressure that builds up due to temperature fluctuations. This prevents damage to the device.

COOLING **B**

The lower cooling fins provide heat dissipation downwards and thus a trouble-free function of the device is guaranteed.



TECHNICAL DATA HAZARD BEACON

Illuminants	3 x 2 LED-Array
Minimum luminous intensity	2000 cd
Power input	30 W
Electronic	redundant
Lifetime (LM80 (17 k))	> 100.000 h (LED)
AVV	Medium power beacon type B (Flashing light after ICAO)
ICAO	medium-intensity, Type B+C
WSV-Certificate	Certification procedure in progress

You can find all data sheets on www.fsg-sensors.de

OPTIONS AND ACCESSORIES



CUP STARE

Cup stare for different requirements



Rigid e Cup stare

They are absolutely robust, made of stainless steel and are installed as **standard** in FSG Wind Sensors.



Resilient Cup stare

The rigid webs are replaced by springs to avoid mechanical loads, which can occur mainly in crane and excavator systems. They are mostly used in conjunction with **Pendulum design**.

Note: Only suitable for wind speeds up to 20m/s.



Robust Cup stare

Durable aluminum cup star for use in extreme conditions.

CERTIFICATE FOR CALIBRATION



Measured values on the test stand

On request, we provide a calibration certificate with the delivery.

ATEX / IECEx



Maximum safety in explosive environment

For use in potentially explosive atmospheres, our Wind Sensors have optional ATEX and IECEx approval.

PROTECTIVE COATING AGAINST SEAWATER



Long-lasting operational readiness in saltwater environment

When the wind sensors are used in permanently salty environments, an additional coating protects the devices from premature corrosion.

SHAFT HEATING



Increased operational readiness in extremely cold regions

The shaft heater is an electronically controlled heater which switches on at a temperature of + 5 °C. It is available for both wind meter designs. The heater, with an output of 5 W, can be supplied via the operating voltage or separately, depending on customer requirements.

REED-CONTACT



Speed measurement in switched off state

Optionally, we offer an additional reed contact system for our wind sensors. This allows the wind speed to be recorded and evaluated even without operating voltage.

LIMIT INDICATOR

This is an electronic comparator, designed as a surface-mounting plastic housing for screw or standard rail mounting according to DIN 46 277. A maximum of four limit value indicators can be integrated in one housing unit, the switching points of which can be set separately between 0 and 100 % of the input variable via trimming potentiometers. The output signal is provided via potential-free relay contacts, either as normally closed or normally open contacts.



WIND SPEED INDICATOR WITH LIMIT INDICATOR

It contains an electronic LED circular band display with an externally adjustable max limit contact. The measured value is displayed in the form of a green light band. The limit mark can be selected in the diode chain via a setting potentiometer on the front. If the green illuminated actual display exceeds the red illuminated limit mark, the color of the actual display changes from green to red. At the same time, the limit relay switches and signals the exceeding of the maximum value by switching a potential-free contact.



TECHNICAL DATA – SWITCHGEAR

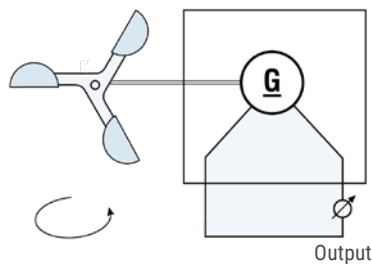
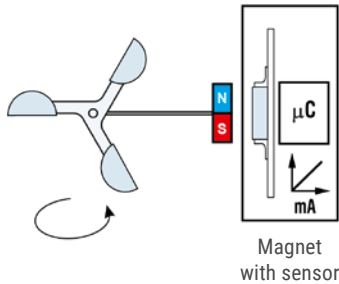
Design	DIN standard rail housing
Input	4–20 mA, Ri 50Ω
Supply	18–33 V DC, < 100 mA
Output	2 normally closed or normally open contacts, max. 30 V, max. 500 mA
Switching point preselection	Separately via two trimmers each between 0 and 100%.
Temperature range	- 30 °C up to + 70 °C
Weight	0,3 kg

TECHNICAL DATA – DISPLAY

Design	Panel mounting housing
Front frame	72 mm x 72 mm
Actual display	LED diode string, green
Scale	0–40 m/s, 2 : 2 m/s
Input	4–20 mA, Ri 50 Ω
Supply	18–33 V DC, < 200 mA
Limit value display	LED, red
Limit value output	potential-free changeover switch, max. 30 V, max. 500 mA
Temperature range	- 30 °C up to + 70 °C
Weight	0,5 kg

MEASURING SYSTEMS

IN COMPARISON





THE MAGNETIC MEASURING SYSTEM

It enables absolutely wear-free and contactless measured value acquisition, which is also reliably used under extreme environmental conditions. The corrosion-protected permanent magnet driven via the cup star generates a signal change in the magnetic sensor, which is located under an aluminum housing closed on all sides. A downstream processor converts the magnetic pulses into an analog measurement signal of e.g. 4-20 mA or digitally into a pulse output or CAN signal

TACHOGENERATOR

A tachogenerator built into the aluminum housing is driven by the wind strength. The output signal is proportional to the wind speed and is taken in the form of a voltage in a two-wire circuit.

Measuring systems	 Magnetic	 Tachogenerator
Housing protection type	IP66	IP64
Electric connection	Plug o. Cable	Plug o. Cable
Measuring range	0-40 m/s (up to max. 50 m/s on request)	0-40 m/s (up to max. 50 m/s on request)
Current output	4-20 mA, $R \leq 600 \Omega$ L	
Voltage output	0-10 V, $R \geq 10 k\Omega$ L	
Digital output	CANopen / Profinet	
Impulse output	customized	
DC-Generator		0-3,4 V at 0-40 m/s on $R = 500$
Supply	18-36 V DC	
Housing material	Aluminum, grey lacquered	Aluminum, grey lacquered
Cup cross	stainless steel	stainless steel
Shaft heating	with thermostat for temperatures up to - 50 °C	with thermostat for temperatures up to - 50 °C



INDUSTRY SOLUTIONS

ANYONE DEVELOPING FOR THE INDUSTRY MUST LEARN FROM THE INDUSTRY.

Every industrial sector has its own language and its own requirements, so there is no one-size-fits-all solution. It is therefore important to us to work with our customers to develop solutions for their individual needs, regardless of which industry they come from.

As a result, FSG has been able to develop trust and expertise in all key industries over the decades. Thanks to unconventional approaches, we have often been able to set standards that many industrial sectors cannot be imagined without to this day. Today our components are trademarks for quality and innovation in many branches of industry.



THE RIGHT SOLUTION FOR EVERY INDUSTRY.



Construction machine



Ship



Rails



Logistics



Offshore



Medicine



Industry



Energy



Automation



A small selection of our Industry opportunities

We feel at home in every industry.

Therefore, we can answer any question about our products and together we will find solutions to your ideas.

Contact us!



info@fsg-sensors.de

QUALITY & RELIABILITY 

WE LEAVE NOTHING TO CHANCE.

When it comes to quality, there are no compromises for FSG – regardless of when and where our devices are in use worldwide. Maximum reliability and seamless readiness for action are our top priority.

We will develop and manufacture all of our products for a long sensor life for every condition.

All series devices go through an extensive 100% test in in-house laboratories and test stands.

In this way we always have full control over the quality process. Our new developments pass a detailed type approval test and are certified by external institutes.



With us you are always on the safe side through:



OUR PRODUCT PORTFOLIO KNOWS NO LIMITS, ONLY POSSIBILITIES.

AS VERSATILE AS YOUR REQUIREMENTS – OUR PRODUCT PORTFOLIO

Do you have any questions about our extensive product portfolio or are you looking for a solution for a special application?

No problem – all our product groups can be easily combined with each other and together with our technical support we will develop the optimal solution specifically for your application.

info@fsg-sensors.de



Rotary Encoders 



Potentiometers 



Inclination Sensors 



Draw-Wire Sensors 



Cable Drums 



Joysticks 



Foot Pedals 



Wind Sensors 

DISTRIBUTION NETWORK

DISTRIBUTION MEANS TRUST. THAT'S WHY WE ONLY TRUST THE BEST.

Through the international orientation of our company and the consistent expansion of new sales structures and opportunities, we offer our global customers a presence close to the market of specialists for measurement and sensor technology from FSG Fernsteuergeräte.

GERMANY

Headquarters

**FERNSTEUERGERÄTE
Kurt Oelsch GmbH**

Jahnstraße 68 + 70
12347 Berlin
+49 30 6291-1
sales@fsg-sensors.de

EUROPE

Finland

FISEG Oy

+358 50 5726268
aki.luukkainen@fiseg.fi
www.fiseg.fi

France

ICA systèmes Motion

+33 390 226683
info@icacontact.fr
www.icacontact.fr

Italy

MILEXIA ITALIA S.p.A.

+39 24 81900
info@milexia.it
www.milexia.com

Netherlands

Batenburg Applied Technologies

+31 10 2928787
controllers-sensors@batenburg.nl
www.batenburg-appliedtechnologies.nl

Norway

Elteco AS

+47 35 562070
ha@elteco.no
www.elteco.no

Sweden

Pulsteknik AB

+46 31 7079544
magnus.andersson@pulsteknik.se
www.pulsteknik.se

Switzerland

Omni Ray AG

+41 44 8022737
m.leemann@omniray.ch
www.omniray.ch

Spain

Electromediciones Kainos, S.A.U.

+34 93 4742333
sballus@kainos.es
www.kainos.es

Austria

Schmachtl GmbH

+43 732 7646-0
j.petschl@schmachtl.at
www.schmachtl.at

INTERNATIONAL

North and South America

FSG Sensors Inc.

+1 207 480-3173
sales@fsg-sensors.com
www.fsg-sensors.com

South Africa

Mecosa (Pty) Ltd.

+27 11 257-6100
measure@mecosa.co.za
www.mecosa.co.za

India

Manglam Electricals

+91 11 23942222
karn.shanker@manglamelectricals.com
www.manglamelectricals.com

OUR DAY-TO-DAY BUSINESS: MAKING A DIFFERENCE.

OUR FIVEFOLD PROMISE OF PERFORMANCE

90% depth of production,
100% passion



Due to 90% vertical integration, we can customize our products 100% to your needs.

4 plants, one location:
Germany



Every day, over 470 employees ensure that you are satisfied and that „Made in Germany“ continues to stand for quality.

Our standard:
customization



FSG products are not only excellent, they are always perfectly designed and customized for your requirements.

75 years of innovation
is tradition



We will develop measurement sensors that are reliable and perfectly matched to their intended use. Our solutions often become industry innovations – and have been for 75 years.

Always where our
customers are



FSG is represented internationally and we guarantee you the best support, no matter when and where you need us.

IMPRINT

Publisher

FERNSTEUERGERÄTE Kurt Oelsch GmbH
Jahnstraße 68 + 70, 12347 Berlin

Editing and responsible for content

Carsten Schulz (gemäß § 18 Abs. 2 MStV)

Copyright

All contents, in particular texts, photographs and graphics are protected by copyright. All rights, including reproduction, publication, editing and translation, are reserved by FERNSTEUERGERÄTE Kurt Oelsch GmbH.

Guarantee

The contents were created with the greatest possible care. However, FERNSTEUERGERÄTE Kurt Oelsch GmbH does not guarantee the accuracy, completeness and timeliness of the content provided.



WE
MEASURE
CONTROL
REGULATE
IT

 **BERLIN (HQ)**

Fernsteuergeräte
Kurt Oelsch GmbH
Jahnstraße 68 + 70
12347 Berlin

Tel. +49 30 6291-1
Fax +49 30 6291-277

info@fsg-sensors.de
www.fsg-sensors.de

