

Reliable sensors for renewable energy

The demand for robustness, reliability and a long lifetime are key requirements for sensors to cope in the extreme conditions prevailing in wind turbines.

Requirements

- ✓ Reliable detection
- ✓ Limited influence by temperature change
- ✓ Robustness

Customer benefits

- ✓ Extended temperature range from -25°C to +100°C
- ✓ Excellent temperature compensation over the whole temperature range
- ✓ Long lifetime
- ✓ Easy to handle due to small deviation in operating distance

ZERO POSITION
DETECTION OF THE
ROTOR

ZERO POSITION
DETECTION OF THE
BLADES

RESET POSITION
DETECTION

CONTRINEX

ALL OVER THE WORLD

EUROPE

Austria
Belgium
Croatia
Czech Republic
Denmark
Estonia
Finland
France
Germany
Great Britain
Greece
Hungary
Ireland
Italy
Luxembourg
Netherlands
Norway
Poland
Portugal
Romania
Russian Federation
Slovakia
Slovenia

Spain
Sweden
Switzerland
Turkey

AFRICA

Morocco
South Africa

THE AMERICAS

Argentina
Brazil
Canada
Chile
Colombia
Mexico
United States
Venezuela

ASIA

China
India

Indonesia
Japan
Korea
Malaysia
Pakistan
Philippines
Singapore
Taiwan
Thailand
Vietnam

AUSTRALASIA

Australia
New Zealand

MIDDLE EAST

Israel
Syria
United Arab Emirates

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CONTRINEX

QUALITY
COST
RELIABILITY
SIMILARITY
LIFETIME

Remove the weakest link



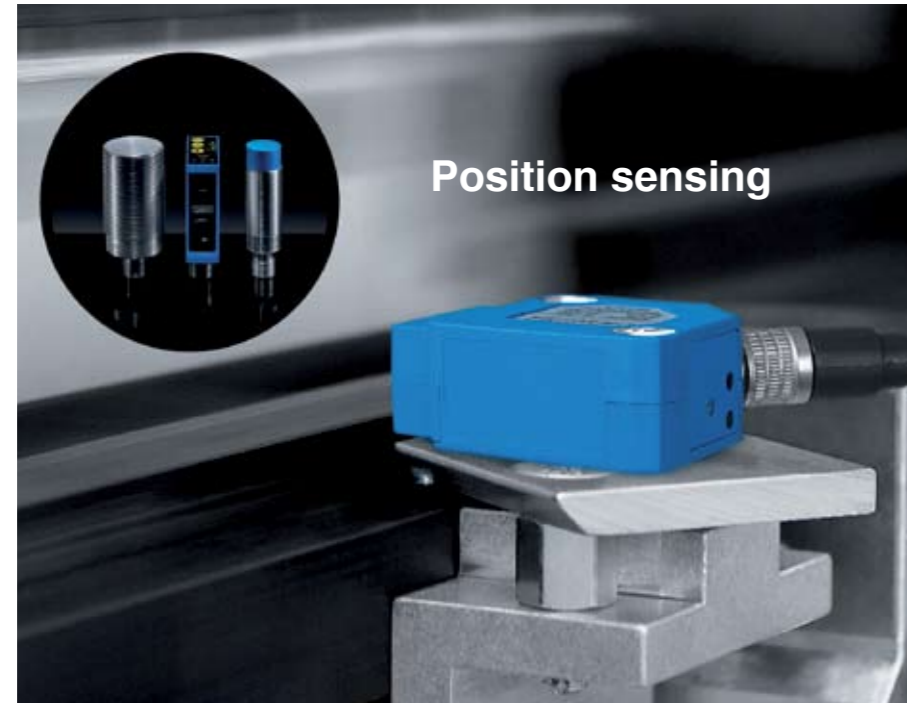
ASIC Technology inside

Sensors with perfect similarity



CONTRINEX

Thanks to its vision for innovation and technological enhancement, Contrinex keeps on setting new standards in the sensor world. Being known for our specialized and innovative products, we decided to use this expertise to develop a standard inductive sensor based on ASIC technology that offers all the advantages of high performance sensors at standard prices.



Position sensing

KEY ADVANTAGES

- ✓ Excellent price performance ratio
- ✓ Extended temperature ranges up to 100°C
- ✓ Outstanding temperature compensation
- ✓ Vibration and shock resistant
- ✓ Large operating distance (2*Sn)
- ✓ Excellent accuracy
- ✓ Miniature sizes available (∅ 3)

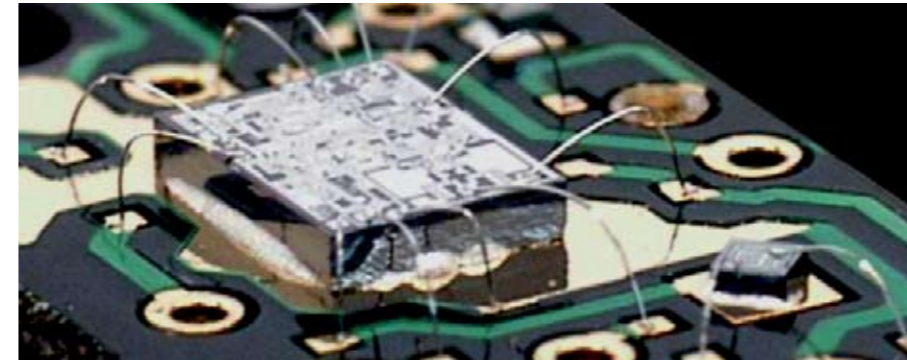
AVAILABLE PROGRAM

A COMPREHENSIVE PRODUCT RANGE FROM ∅3 TO M30 IS NOW AVAILABLE!

Size	Operating distance	Switching frequency	Type	Connection
∅ 3	up to 1 mm	up to 5000 Hz	Embeddable	Cable / S8 pigtail
M4	up to 1 mm	up to 5000 Hz	Embeddable	Cable / S8 pigtail
∅ 4	up to 1.5 mm	up to 5000 Hz	Embeddable	Cable / S8
M5	up to 1.5 mm	up to 5000 Hz	Embeddable	Cable / S8
∅ 8	up to 2 mm	up to 5000 Hz	Emb. / Non-emb.	Cable / S8 / S12
∅ 065	up to 4 mm	up to 5000 Hz	Emb. / Non-emb.	Cable / S8 / S12
M8	up to 4 mm	up to 5000 Hz	Emb. / Non-emb.	Cable / S8 / S12
M12	up to 8 mm	up to 3000 Hz	Emb. / Non-emb.	Cable / S12
M18	up to 8 mm	up to 1500 Hz	Emb. / Non-emb.	Cable / S12
M30	up to 15 mm	up to 700 Hz	Emb. / Non-emb.	Cable / S12
C5	up to 1.5 mm	up to 3000 Hz	Embeddable	Cable / S8 pigtail
C8	up to 2 mm	up to 3000 Hz	Embeddable	Cable / S8

ADVANTAGES OF ASIC TECHNOLOGY

ASIC (Application specific integrated circuit) technology brings a lot of advantages to the end user that they are normally not aware of. Using an ASIC chip enables us to reduce the number of electronic components significantly, reducing the risk of failing components and also increasing the lifetime of the sensor automatically. Another big advantage is that the final calibration of the sensors can be done when the assembly process is complete, ensuring that the operating distance for all sensors is the same.



- ✓ Deviation in operating distance < 2%
- ✓ Increased EMC stability
- ✓ Smaller sensors with increased performance
- ✓ Longer lifetime
- ✓ Better temperature stability
- ✓ Flexibility in the production ensures shorter delivery times

TEXTILE MACHINES

ASIC technology for demanding tasks in textile machinery

Cost effective, easy to handle sensing solutions for high-tech textile machinery



Requirements

- ✓ Good cost/functionality ratio
- ✓ Easy installation and setup
- ✓ Vibration and shock resistant

Customer benefits

- ✓ Comply with all the IEC-60947 requirements
- ✓ Easy to handle - small or no deviation between products enabling easy installation
- ✓ Very good price performance ratio

DEEP DRAWING PRESS

Reliable sensing solutions reduce downtime

Easy setup and reliable sensing solutions in challenging environments



Photo courtesy of Repkon
www.repkon.com.tr

Requirements

- ✓ Easy setup
- ✓ Cost effective solution
- ✓ Shock and vibration resistance

Customer benefits

- ✓ Excellent shock resistance
- ✓ Very good price/performance ratio
- ✓ Extended operating distance available for extra mechanical protection

COMPACT MATERIAL HANDLING SYSTEMS

Sensors for automated material handling systems

Reliable and easy to handle sensing solutions are key requirements in modern material handling systems



Requirements

- ✓ Vibration and shock resistant
- ✓ Cost effective solutions
- ✓ Easy to handle

Customer benefits

- ✓ Miniature sensors available for compact solutions
- ✓ Great price/performance ratio
- ✓ Extended operating distances and increased frequencies for high speed systems