

Company _____
 Name _____ Title _____
 Department _____
 Address _____ VAT No. _____
 Town _____ Postcode _____
 Tel. _____ Fax _____
 e-mail _____

Please send me a Demo-Kit PRAS20-U6 with the test magnet for the promotional price of just **£ 50.00 + VAT, incl. shipping costs**

Order number _____ Date _____
 Name _____ Title _____
 Tel. _____ Fax _____
 e-mail _____
 Signature _____

Please send me **an offer** for
 _____ pcs _____ pcs _____ pcs

I have a special application and need assistance, please **contact me**
 asap in _____ weeks occasionally

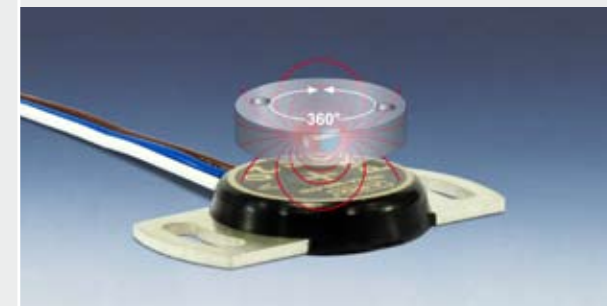
Product Catalogue Request: please send me the following product catalogues

- WS® / POSIWIRE®** Cable Extension Position Sensors
- POSICHRON®** Magnetostrictive Position Sensors
- POSIMAG®** Magnetic Scale Position Sensors
- POSIROT®** Magnetic Angular Sensors
- POSITILT®** Inclination Sensors

DEMO-KIT

PRAS20

Sensor including a magnet



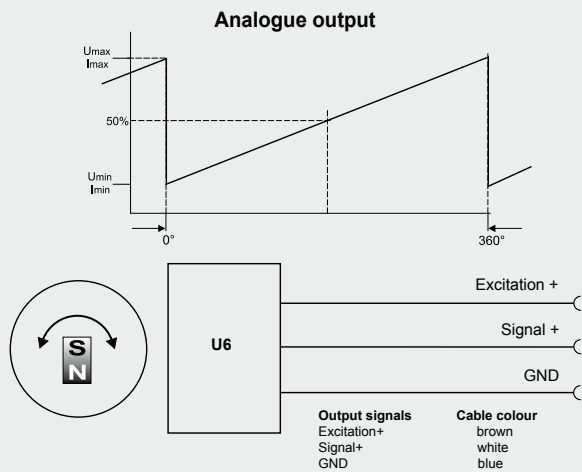
POSIROT® Magnetic Angular Sensors

PRAS20 Magnetic Angular Sensor with analogue output

- Measurement range 0° to 360°
- Protection class IP60
- Non-contact with external position magnet
- No wear
- Output: 0.5 ... 4.5 V

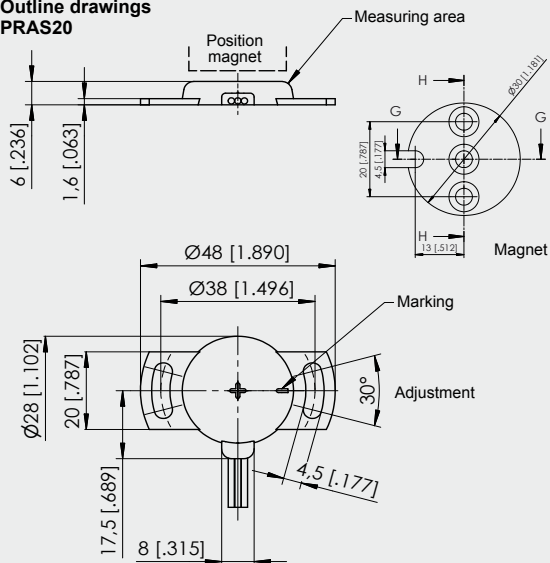
POSIROT® / PRAS20

The **POSIROT®** range of non-contact rotary and angular position sensors utilises 'Hall Effect' Technology which allows a limited misalignment of the sensor and magnet with no effect on output.



Mechanical Specifications

Outline drawings
PRAS20



Specifications PRAS20

Excitation voltage	+5V DC ±10%
Excitation current	20 mA max. (10mA typ.)
Output voltage	0.5 ... 4.5V DC
Output current	2mA max.
Output load	>3kΩ
Measuring rate	1kHz
Stability (temperature)	±50 x 10 ⁻⁶ /°C f.s.

Operating temperature	-40 ... +85°C
Protection	reverse polarity, short circuit

Output	voltage 0.5 ... 4.5V
Resolution	0.03%
Repeatability	±0.03%
Linearity	±0.5 % f.s. (typ.); a misalignment of the position magnet has an effect on the linearity

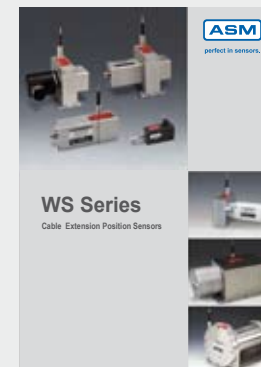
Measurement range	0° ... 360°
Signal characteristics	CW
Rated distance sensor / position magnet	max. 5mm

Material	Thermoplastic
Mounting	2 x M4

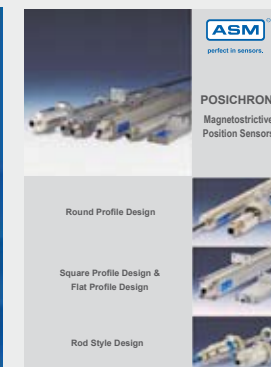
Connection	single strand 3 x 0.5 mm ²
Protection class	IP60
Shock	EN 60068-2-27:1993, 100 g/11 ms, 100 Shocks
Vibration	EN 60068-2-6:1995, 20 g 10 Hz-2 kHz, 10 cycles

Available Product Catalogues

WS® / POSIWIRE® Cable Extension Position Sensors



POSICHRON® Magneto- strictive Position Sensors



POSIMAG® Magnetic Scale Position Sensors



POSIROT® / POSITILT® Angular and Inclination Sensors



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