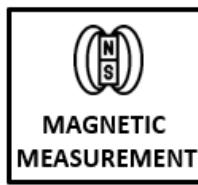




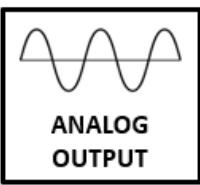
ANGLE SENSOR

RCS K 37

“Non-Contact Measurement, Connection With Sleeve, Analog Output, IP67 Protection”



MAGNETIC
MEASUREMENT



ANALOG
OUTPUT



HIGH
ACCURACY



LONG SERVICE
LIFE



IP67
PROTECTION

- Non-contact magnetic measurement
- 12 bit resolution
- User-selectable angle values between 0-360 °
- 4-20 mA, 0-5VDC, 0-10 VDC or 0.5-4.5 VDC ratiometric output options
- Long service life
- Connection with sleeve
- IP67 protection class

The RCS K 37 series sensors are used for taking angle measurement between The measuring limits can be adjusted between 0-360 ° depending on the user request. They have 0-5V, 0-10V, 4-20mA or ratiometric output options.

RCS RCS K 37 angle sensors with high accuracy, compact design and robust construction; offers suitable solutions for angle measurement in industrial areas like crane and lifting systems, robotic systems, solar energy, wind power plants, auto parts etc.

SAMPLE APPLICATION FIELDS

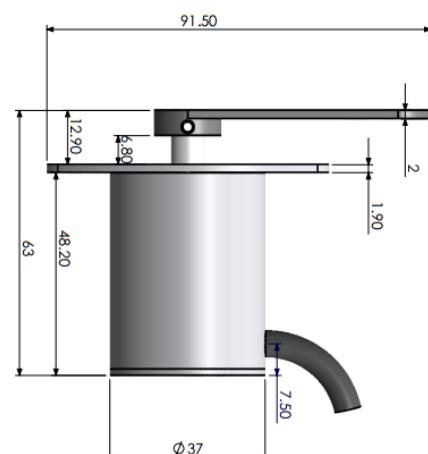
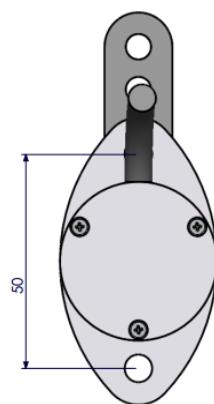
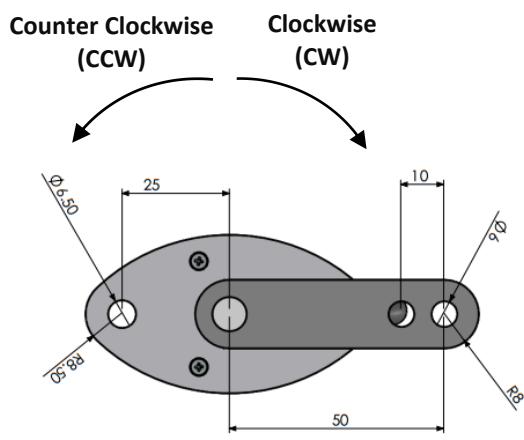
- Robotic systems
- Auto parts
- Solar and photovoltaic systems
- Automated guided systems
- Crane and lifting technology
- Wind power plant



TECHNICAL SPECIFICATIONS

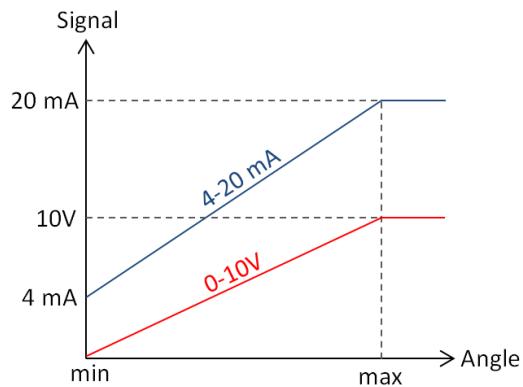
| | | | | |
|------------------------------------|--|---------------------------------|------------------------|------------------------|
| Measuring Range | Can be produced in the desired range from 0 to 360 ° | | | |
| Measuring Type | Magnetic, non-contact | | | |
| Linearity | $\pm 0.5\%$ FS | | | |
| Resolution | 12 bit | | | |
| Repeatability | 0.1° | | | |
| Response Frequency | 250 Hz | | | |
| Output Signal | | 0,5...4,5VDC Ratiometric | 0...5VDC | 0...10VDC |
| | Supply | 5 VDC | 5 VDC or 9...32VDC | 15...32 VDC |
| | Load | $\geq 1\text{K}\Omega$ | $\geq 1\text{K}\Omega$ | $\geq 1\text{K}\Omega$ |
| Current Consumption | 30 mA max. | | | |
| Reverse Polarity Protection | Yes, only supply | | | |
| Electrical Connection | 3 x 0,14 mm ² shielded cable | | | |
| Max Operational Speed | 3000 rpm | | | |
| Protection Class | IP67 | | | |
| Operating Temperature | -25°C ... +85°C | | | |
| Weight | ~ 150 gr | | | |
| Material | Body: Aluminum Shaft: Stainless Steel | | | |

MECHANICAL DIMENSIONS (mm)



ELECTRICAL CONNECTION

| SIGNAL | CABLE COLOR |
|---------------|-------------|
| +V | Red |
| 0V | Black |
| Output Signal | Yellow |



ORDER CODE

| Model | Angle Value | Output Signal Direction |
|---|--|--|
| RCS K 37 - XX - XX - XX - XXX - XXX | The desired angle value can be requested between 0-360 ° | CW: Clockwise CCW: Counter Clockwise |
| Output Signal A : 4-20 mA V : 0-10 V V1: 0-5 V (9...32VDC supply) V8: 0.5-4.5 V Ratiometric V9: 0-5 V (5VDC supply) | Shaft Diameter 8 : 8 mm | Electrical Connection 0,5M: 0,5 m cable *Ask for other options |