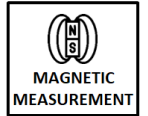
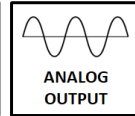




### GENERAL FEATURES

- Non-contact 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
- 10 mm shaft diameter
- IP67 protection class
- Long service life
- Compact design
- High accuracy
- Completely stainless steel body



RCS 9200 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 9200 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.

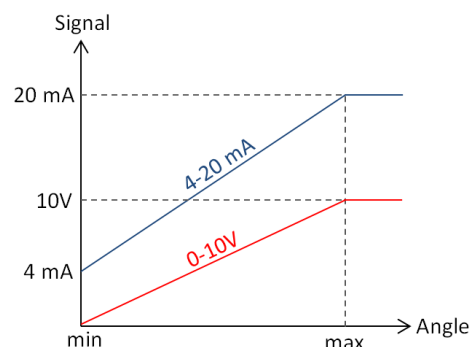
### TECHNICAL SPECIFICATIONS

<b>*Measuring Range</b>	Can be produced in the desired range from 0 to 360 °				
<b>Measuring Type</b>	Magnetic, non-contact				
<b>Linearity</b>	±%0.5 FS				
<b>Resolution</b>	12 bit				
<b>Repeatability</b>	0.1°				
<b>Response Frequency</b>	250 Hz				
<b>*Output Signal</b>		<b>0,5...4,5VDC Ratiometric</b>	<b>0...5VDC</b>	<b>0...10VDC</b>	<b>4...20 mA</b>
	<b>Supply Voltage</b>	5 VDC	5 VDC or 9...32VDC	15...32 VDC	9...32 VDC
	<b>Load</b>	≥ 1KΩ	≥ 1KΩ	≥ 1KΩ	0...250 Ω
<b>Reverse Polarity Protection</b>	Yes, only supply				
<b>Electrical Connection</b>	3 x 0,14 mm <sup>2</sup> shielded cable				
<b>Max Operational Speed</b>	3000 rpm				
<b>Protection Class</b>	IP67				
<b>Operating Temperature</b>	-25°C ... +85°C				
<b>Body Diameter</b>	68 mm				
<b>Shaft Diameter</b>	10 mm				
<b>Material</b>	Body: Stainless Steel				
	Shaft: Stainless Steel				

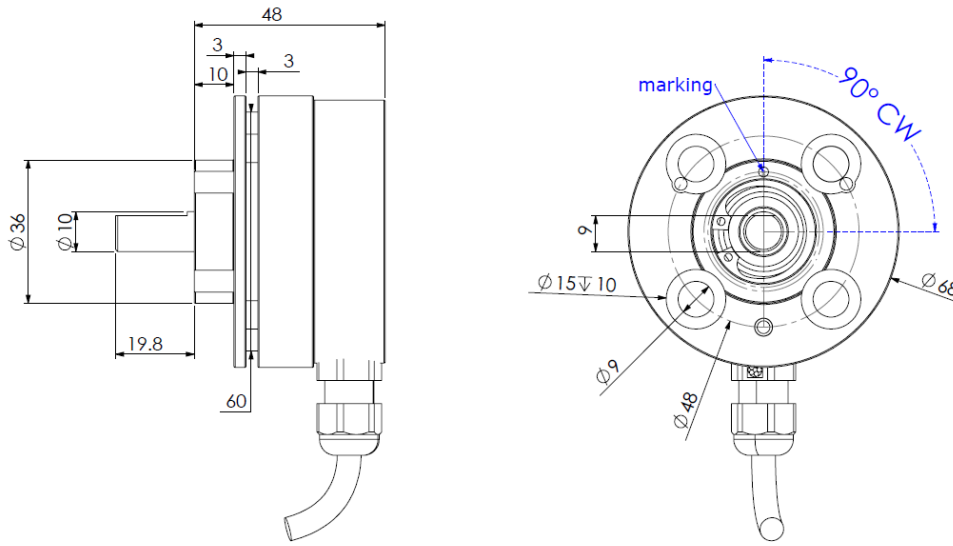
**Note:** The specifications specified by (\*) vary depending on the model selected. The detailed code table for product selection is shown on page 3.

### ELECTRICAL CONNECTION

	
<b>SIGNAL</b>	<b>CABLE COLOR</b>
+V	Red
0V	Black
Output Signal	Yellow

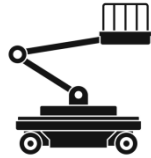


## MECHANICAL DIMENSIONS (mm)



## SAMPLE APPLICATION FIELDS

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



## ORDER CODE

Model	Angle Value	Supply Voltage <sup>(1)</sup>	Output Signal	Output Signal Direction	Electrical Connection <sup>(2)</sup>	Shaft Diameter	Body Material
RCS 9200	XXX	XXX	XX	XXX	XXX	XX	XXXX
	The desired angle value can be requested between 0-360 °	TTL: 5VDC PP: For 4-20mA output: 9...32VDC For 0-10V output: 15...32VDC For 0-5V output: 9...32VDC	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)	CW: Clockwise CCW: Counter Clockwise	0,5M: 0,5 m cable	10: 10mm	E316L: 316L Stainless steel

- (1) When the output signal is selected as 4-20 mA (A), 0-10V (V) or 0-5V (V1), the supply voltage must be PP  
When the output signal is selected as 0.5-4.5V Ratiometric (V8) or 0-5V (V9), the supply voltage must be TTL.
- (2) Optionally, different cable lengths can be requested.

**Sample Code:** RCS 9200-090-PP-V-CW-0,5M-10-E316L

RCS 9200 series, 0-75° measuring range, PP supply, 0-10V output, output signal direction is clockwise, 0.5 m cable, 10 mm shaft diameter, 316L stainless steel body

Atek Elektronik Sensör Teknolojileri Sanayi ve Ticaret A.Ş.



Gebze OSB, 800. Sokak, No:814 Gebze/KOCAELİ/TURKEY



Tel: +90 262 673 76 00



Fax: +90 262 673 76 08



[www.ateksensor.com](http://www.ateksensor.com)



[info@ateksensor.com](mailto:info@ateksensor.com)