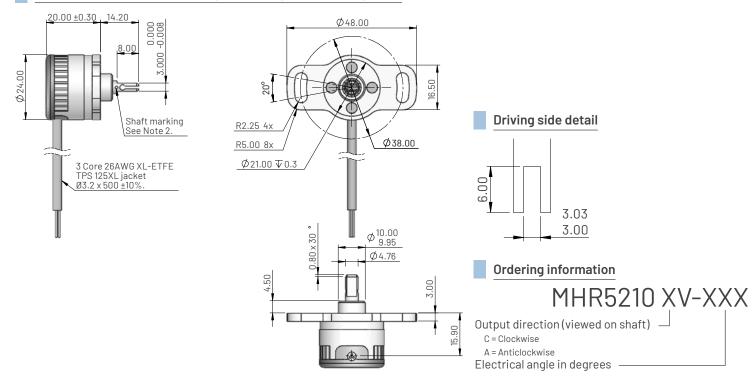
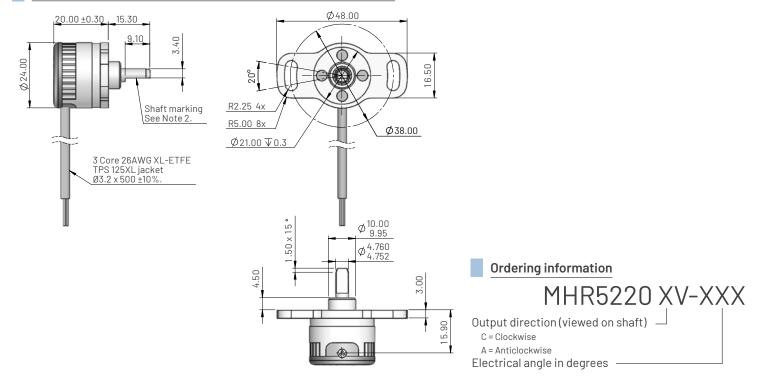


Dimensions for MHR5210 - Flange mounting with a sprung shaft

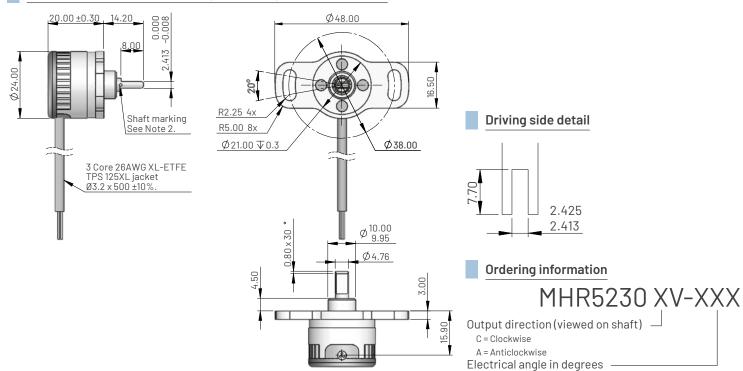


Dimensions for MHR5220 - Flange mounting with a round shaft





Dimensions for MHR5230 - Flange mounting with a blade shaft





Electrical and mechanical specification for MHR5200

5.0±10% regulated	8 to 30 unregulated	VDC
Up to 50		VDC
<15		mA
Up to -10		VDC
<100		ms
0.25 minimum		V/ms
Analogue voltage		
Clockwise or anticlockwise (specified at time of order)		
0-Vs (+5)	0 - 5.0	VDC
Ratiometric with Vs	<0.01% FS	
Linear Range (se	ee note 5)	
>10K		Ohms
<5		mV RMS
20 to 360±2 in 1° increments		0
0.025		% of measurement range
<±0.25		%FS
<±0.003	<±0.011	%FS/°C
500 Nom		Hz
600		RPM
		·
30		grams
Electronic housing IP68 and IP69K		
>500 million cycles		dependant on environment
Contactless - no degradation due to shaft dither		
-40 to +150	See de-rating graph	°C
-55 to +1!	50	°C
Case: Glass filled polymer, Top cap: GF polymer, Shaft: Stainless steel 316		
	Up to 5 <15 Up to -1 <100 0.25 minir Analogue vo Clockwise or anticlockwise (sp 0-Vs (+5) Ratiometric with Vs Linear Range (s >10K <5 20 to 360±2 in 1° 0.025 <±0.25 <±0.25 <±0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=0.25 <=	Up to 50

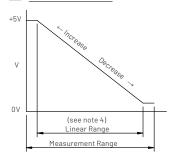
Notes

- 1. Incorrect wiring may cause internal damage.
- When shaft marking is facing cable exit, instrument is mid-travel (2.5V output).
- 3. Do not operate between 5.5V and 8V.
- 4. Non-linearity is calculated from least squares best fit method over the Linear Range.
- 5. Linear Range = Measurement range x 0.995 Nom.
- 6. Due to hall effect technology used in this device, ferrous materials and magnetic fields close to the sensor may influence output.
- 7. General dimension tolerance is ± 0.25 .

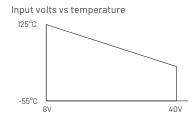
Electrical connections (see note 1)

Wire Colour	Function
Red	Supply Voltage (Vs)
White	Output Voltage (Vout)
Black	Ground

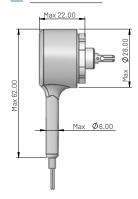
Typical output



Input voltage de-rating graph



Accessories



Boot Part No: JN025-002

Part No: JNU25-UUZ
Material
Polyolefin

Boot dimensions when fitted (Boot supplied seperately)

Contact (Europe)

Active Sensors Ltd, Unit 12, Wilverley Road, Christchurdch, Dorset, BH23 3RU, UK

Contact (North America)

Active Sensors Inc, 8520 Allison Pointe Blvd, Suite 220, Indianapolis, IN 46250, USA Boot supplied seperately)