

Euro-CMRS Programmable Sensor Custom Micro Rotary Shafted

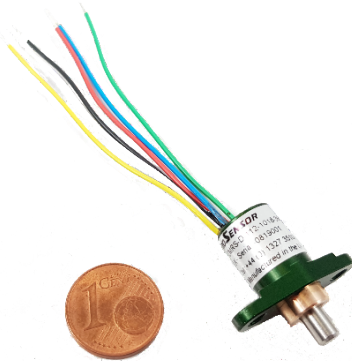


- Micro rotary shafted sensor
- Hall Effect non-contact technology
- Long life - extremely robust
- Programmable angles from 30° up to 360°
- IP68 protection
- Selectable and customisable mounting and shaft options
- Redundant output



The Euro-CMRS angle sensor is specifically aimed at arduous high-duty cycle position feedback applications where miniaturisation is a key factor. With programmable angle selection, this compact and contactless IP68 rated Hall Effect sensor features a high grade aluminium housing with stainless steel shaft that are both mechanically customisable to suit the customer's application.

Specifications



Mechanical	
Typical Life Cycle	>50 million movements (restriction by mechanics)
Torque	< 0.8 Ncm
Measuring range	360° redundant, signal 1 cw, signal 2 ccw
Housing	High grade anodised aluminium
Shaft	Stainless steel 316
Bearing	Phosphor bronze sleeve
Recommended Mounting Bolt Torque	1.8- 2.2 Nm (may differ dependant on application)
Environmental	
Operating temperature	-40°C to +125°C (Short term 150°C)
Vibration	5...2000 Hz; Amax = 0.75 mm; amax = 20g to IEC 60068-2-6
IP rating	IP68
Electrical	
Supply Voltage	5V +/- 0.5V
Output signal	Ratiometric 5%...95% of supply (+/-25mv of specified electrical output range for both start & end voltage)
Independant linearity	+/- 0.5% of each signal range
Isolation resistance	200 MΩ (500 VDC, 1 bar, 2s)
Electrical connection	See ordering code/wiring diagram
Cable type	Raychem Spec 55, 24 AWG

Ordering information

(Please use the characters in the chart below to construct your product code)

PITCH TECHNOLOGIES

Votre distributeur agréé VARIOHM
6 rue de la prévôté
78550 HOUDAN

<https://pitch-technologies.fr>
info@pitch-technologies.fr

01 34 85 54 68

Euro-CMRS - D - 1 1 2 - 1218 - 360 - 11 78 - 50

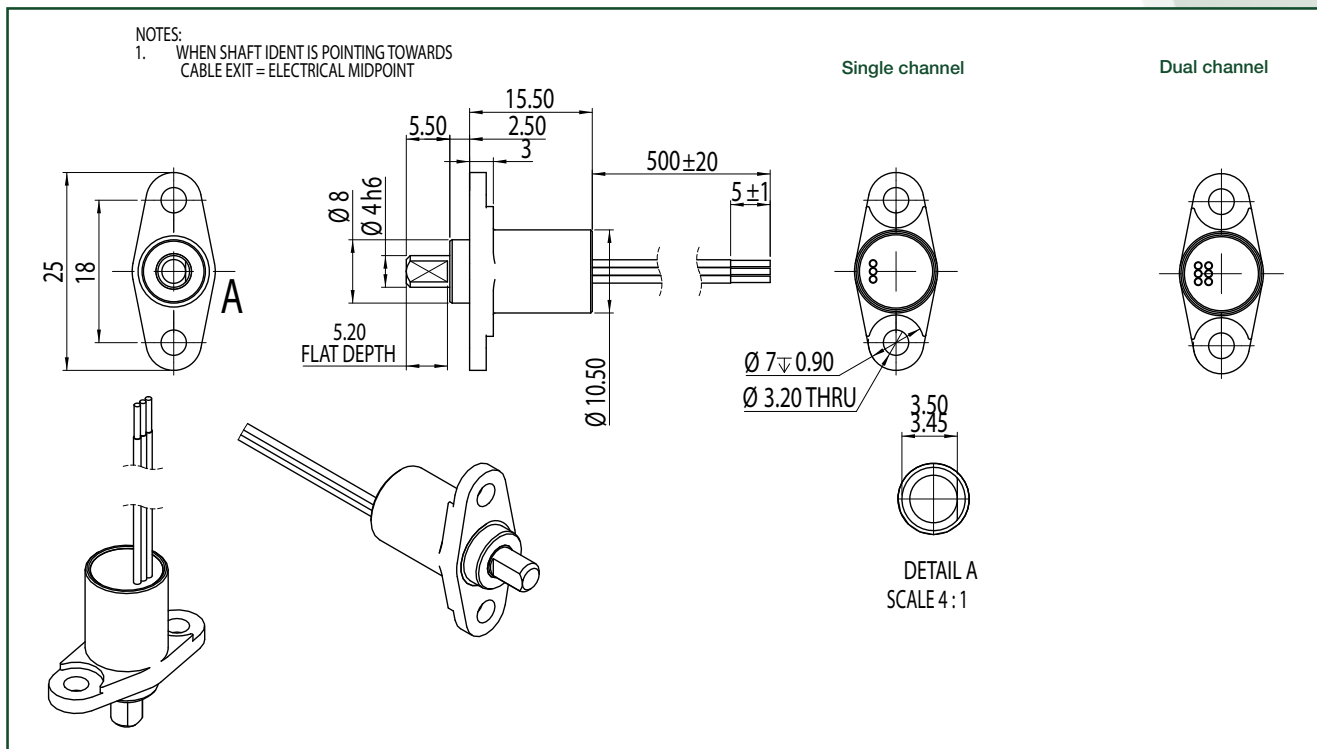
Product Series Code	Shaft	Input Type	Output Type	Number of Channels	Mounting Flange PCD	Electrical Angle	Output Signal	Channel Direction	Cable Length
(Euro -Custom Micro Rotary Shafted)	<ul style="list-style-type: none"> • D - Standard Male D Shaft (4mm Ø) • X - Customised on request 	<ul style="list-style-type: none"> • 1 - 5V Supply 	<ul style="list-style-type: none"> • 1 - Analog Ratiometric • 2 - PWM 	<ul style="list-style-type: none"> • 1 - Single Channel • 2 - Dual Channel 	<ul style="list-style-type: none"> • 18 - 18 mm PCD • XX - Custom on request 	<ul style="list-style-type: none"> • 360 - Standard Electrical Angle 360° • Optional Angle from 30° to 360° in 1° steps (e.g. 181=181 °) 	<ul style="list-style-type: none"> • 1 - 5% to 95% of Input Voltage • 2 - 10% to 90% of Input Voltage • 3 - Custom on request e.g. 11 = 5 to 95% both channels 	<ul style="list-style-type: none"> • 7 - Clockwise • 8 - Counter Clockwise e.g. 77 = Clockwise both channels 	<ul style="list-style-type: none"> • 50 - Standard Cable Length 500mm • XX - Custom on request < 1 metre • XXX - Custom on request > 1 metre • (Standard Cable Raychem Spec 55, 24 AWG; Others available on request)



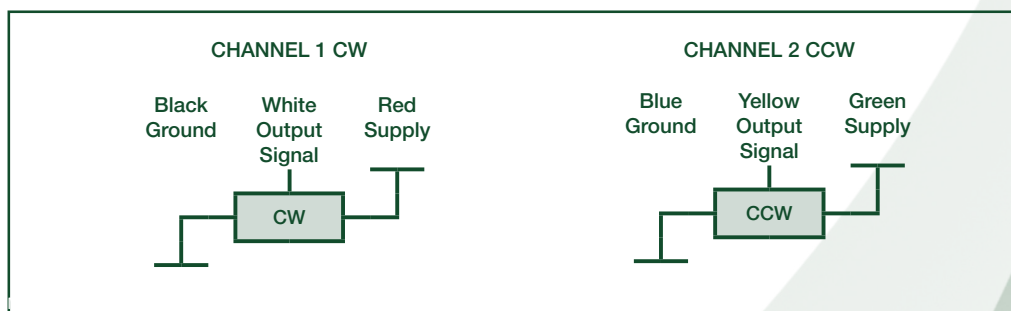
Euro-CMRS Programmable Sensor Custom Micro Rotary Shafted



Euro-CMRS - dimensions in mm



Wiring



PITCH TECHNOLOGIES

Votre distributeur agréé VARIOHM
6 rue de la prévôté
78550 HOUDAN

<https://pitch-technologies.fr>
info@pitch-technologies.fr

01 34 85 54 68



Variohm EuroSensor - Williams' Barn - Tiffeld Road - Towcester - Northants - NN12 6HP - UK
sales@variohm.com • www.variohm.com • +44 (0) 1327 351004

Subject to change without notice