



CLS3200 medium stroke range

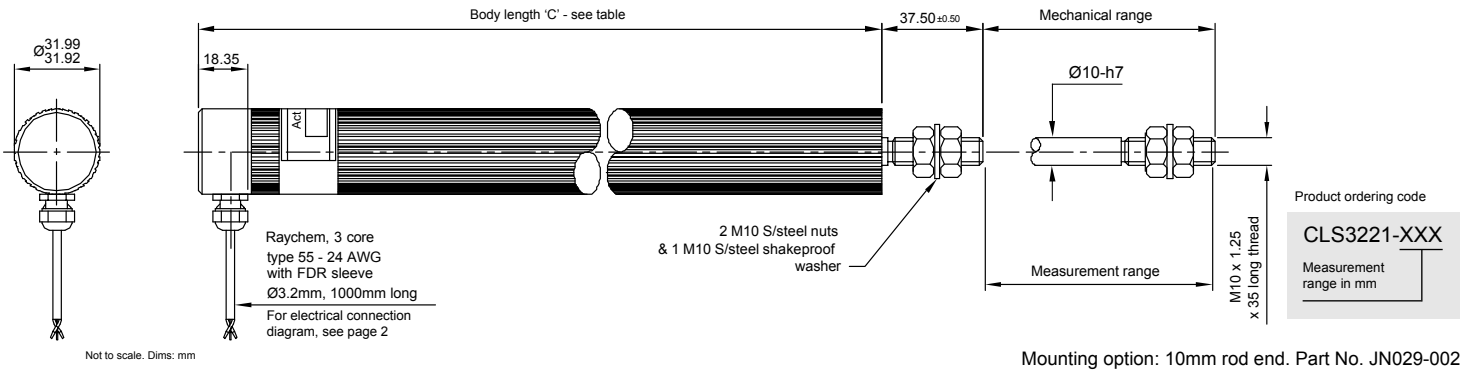


- Measurement Range: 250mm (10") to 1100mm (44")
- Robust design
- Long stroke model
- Sealed as standard
- Raychem cabling
- Choice of mounting
- Very long operational life
- Models available from stock

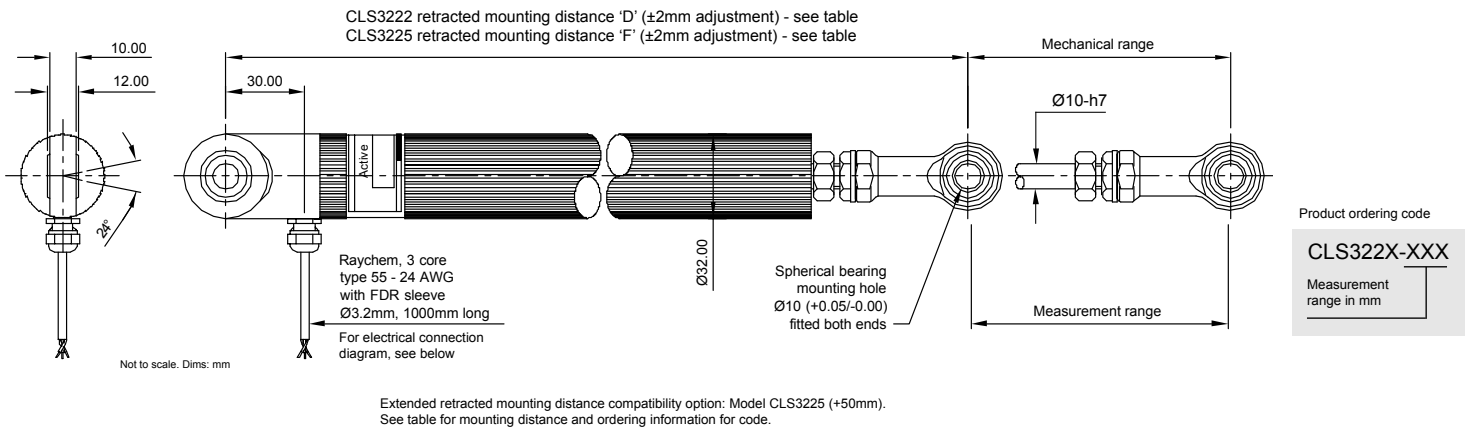
The robust, long stroke CLS3220 sensor is used extensively in industrial monitoring and process control applications. It is also used in flight simulator control systems and similar motion control platforms. The housing is manufactured from aluminium alloy and the operating shaft is stainless steel. The spherical mounting bearings and body clamps are machined from aluminium alloy for strength and durability.

Model dimensions and mounting

CLS3221 - body clamp mounting



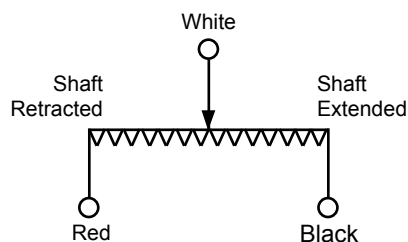
CLS3222 - rod-end mounting



Electrical & mechanical information for CLS3200 range

Measurement range (±0.5mm)	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1100	mm
Retracted mounting distance (D)	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	mm
Retracted mounting distance (F)	480	530	580	630	680	730	780	830	880	930	980	-	-	1130	-	-	-	mm
Body length (C)	351	401	451	501	551	601	651	701	751	801	851	901	951	1001	1051	1101	1201	mm
Resistance (Typical)	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	44	kohms
Non-linearity	<±0.15																	%
Applied voltage	<130																	Volts
Wiper load	>1.0	>1.2	>1.4	>1.6	>1.8	>2.0	>2.2	>2.4	>2.6	>2.8	>3.0	>3.2	>3.4	>3.6	>3.8	>4.0	>4.4	Mohms
Mechanical range	Measurement range 0 to +5																	mm
Shaft velocity	<10																	m/sec
Insulation resistance (at 500V dc.)	>50																	Mohms
Operating temp. range	-30° to +85°																	°C
Sealing	Shaft seal																	
Shaft operating force	<100 (typical)																	grams
Weight (approx.)	875	1010	1095	1180	1300	1420	1505	1595	1795	1970	2045	2105	2145	2180	2265	2355	2530	grams
Materials	Case - Aluminium 6063 - Sulphuric acid anodised Shaft - Stainless steel - 303 series Rod end bearing - Aluminium 6262 housing & Stainless steel ball																	

Electrical connections (all models)



Note 1

Incorrect wiring may cause internal damage to the sensor.

Note 2

Circuit recommendation: Due to the presence of a high contact resistance, these potentiometers should be used as voltage dividers only. Operation with wiper circuits of low impedance will degrade the output signal.

Other CLS linear position sensor models available

CLS0950

- Ultra-slim housing
- Up to 150mm (6") stroke
- Choice of mounting
- 9.54mm body Ø



CLS1300

- Robust housing
- Up to 350mm (14") stroke
- Choice of mounting
- 13mm body Ø



CLS1900

- Robust housing
- Up to 500mm (20") stroke
- Choice of mounting
- 19mm body Ø



Contact details

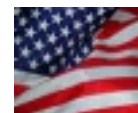
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Additional product information

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