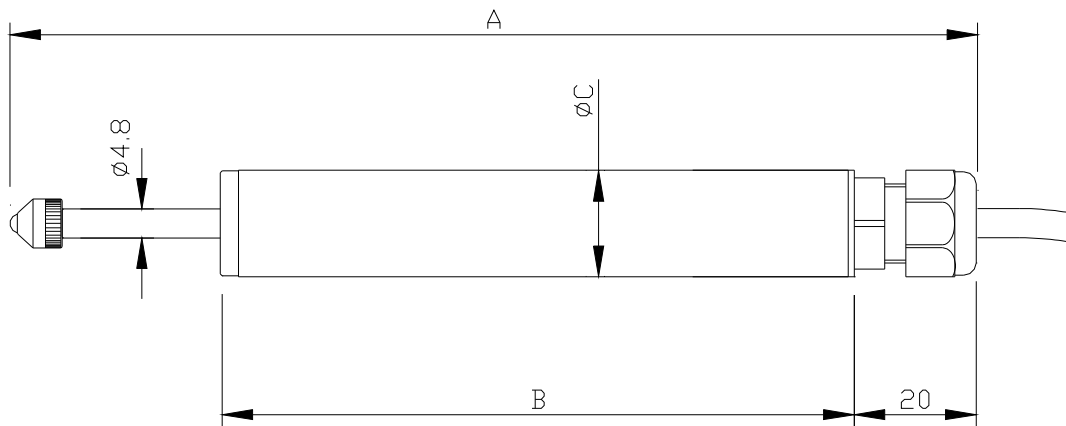


Displacement Sensors

Strain Gauge Devices

		Model Type				
Model Range		LDS-xx / LD20-xx				LDS-
		05	10	25	50	100
Feature	Units					
Displacement	mm	5.5	11	26	51	101
	inch	0.2	0.4	1.0	2.0	4.0
Weight (excluding cable)	grams	125 /135	130 / 140	140 / 150	180 / 200	320
Spindle Force	gf	50-250	50-250	50-250	50-250	90-380
Sensitivity * (nominal)	mv/mm	4.2 /4.4	2.5 / 2.8	1.4 / 1.45	0.84 /0.86	0.38
Output FS* (nominal)	mv/v	5.0 /5.4	5.4 /6.1	7.3 /7.5	8.7 /8.9	7.5
Non-Linearity , Hysteresis, Repeatability (total error)	%FS	<0.1				<0.2
Dim A	mm	120	126	156	234	392
Dim B	mm	89	89	104	157	264
Dim C	mm	Ø17.4 / 19				Ø25.4
Bridge Resistance	Ohms	350				
Excitation AC or DC	volts	2-10				
Current consumption	mA	<30 @10vdc				
Insulation Resistance	MΩ	>2000				
Resolution		Infinite				
Operating Temperature	°C	-10 to +70				
Temperature Effect		<0.01% / °C				
		<0.01% / °C				
Environmental Protection		IP 54				
Termination		2mtrs 4 core screened cable (min bend radius 10mm)				
Electrical Connections			Input +	Input -	Output +	Output -
			Red	Blue	Green	Yellow
With Plug Fitted	5 pin Din 240°		Pin 1	Pin 2	Pin 4	Pin 5

Dimensions Table (see text above)



Wiring Schematic

