

Position sensor Type

- Economical position sensor
- Light (plastic case)
- Infinite resolution
- Range up to 1,250 mm

The LX-PA series sensor allows for a precise measurement from 0-50mm to 0-1,250m ranges.

The moving part is attached to the cable end, while the body is fixed. The cable movement pulls a spring attached to a potentiometer. The cable spring maintain a constant pull back tension on the cable. The pull back speed is limited by the spring torque. Installation support option.



Technical specification

Excitation voltage	VAC ou DC 25 maxi	
Linearity deviation	%EM	+/- 1 for capacity <=120 mm
		+/- 0,5 for capacity 250 625 mm
		+/- 0,25 for capacity 750 1250 mm
Capacity	mm	50, 70, 96, 120, 250, 380, 500, 625, 750, 1000, 1250
Moisture	%HR	95 maxi
Input resistance	Ohm	1,000 +/- 15%
Output resistance	Ohm	0 to 1,000
Mass	g	85
Material		Plastic case
Operating temperature	°C	-15 to +60 (5°F to 140°F)
Storage temperature		-25 to +80 (-13°F to 176°F)

Options	Installation support
	Input impedance 2 to 5 kohms

Wiring

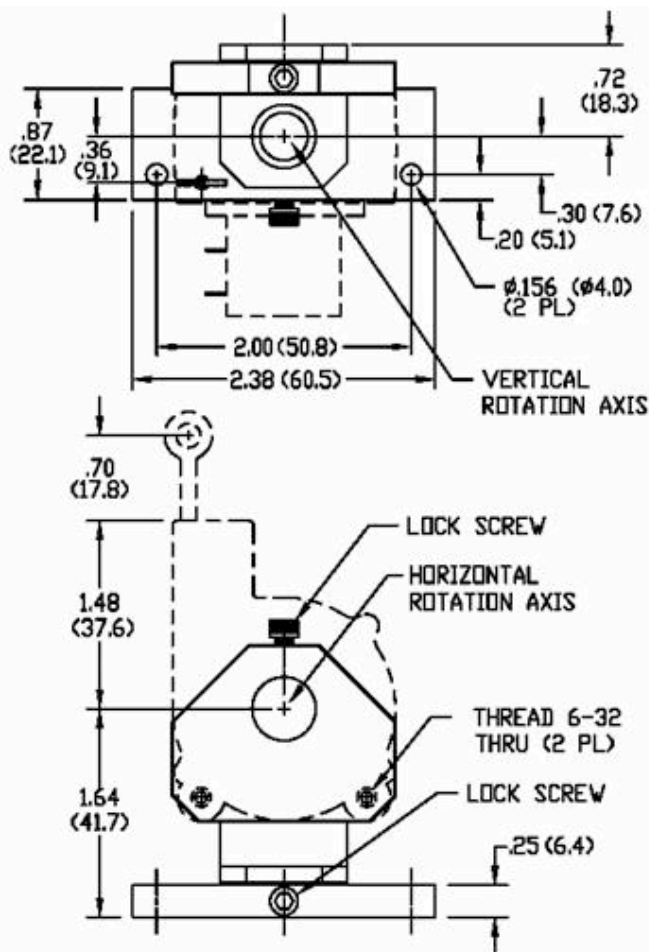
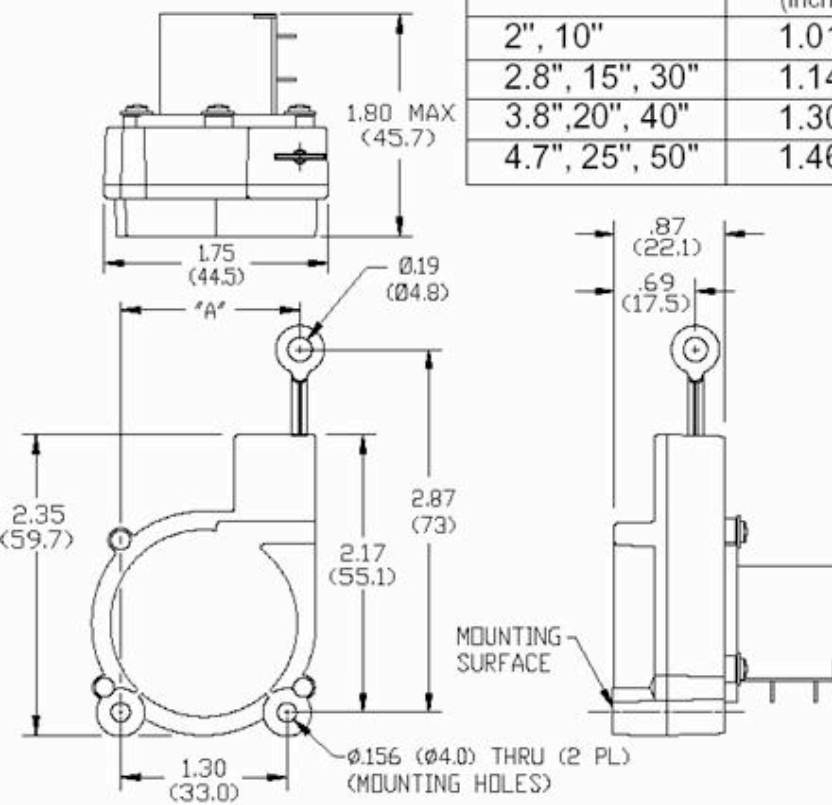
Modèle	Eten due de Mesure (mm)	Sensi bilité mV/mm	Force de rappel sur câble (N)
LX-PA-2	50	18.5	4.4
LX-PA-2.8	70	13.4	3.9
LX-PA-3.8	96	10.1	3.1
LX-PA-4.7	120	8.1	2.2
LX-PA-10	250	3.5	4.4
LX-PA-15	380	2.5	3.9
LX-PA-20	500	1.9	3.1
LXPA-25	625	1.5	2.2
LX-PA-30	750	1.3	3.9
LX-PA-40	1000	1.0	3.1

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Specifications are subject to change without notice

LX-PA-50	1250	0.8	2.2
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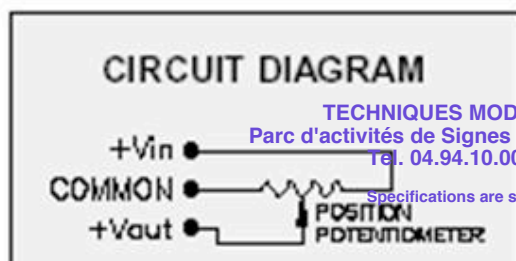
Range	Dim "A"	
	(inch)	(mm)
2", 10"	1.01	25.7
2.8", 15", 30"	1.14	29.0
3.8", 20", 40"	1.30	33.0
4.7", 25", 50"	1.46	37.1



10156 Two Axis Swivel Base



With Transducer Mounted



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