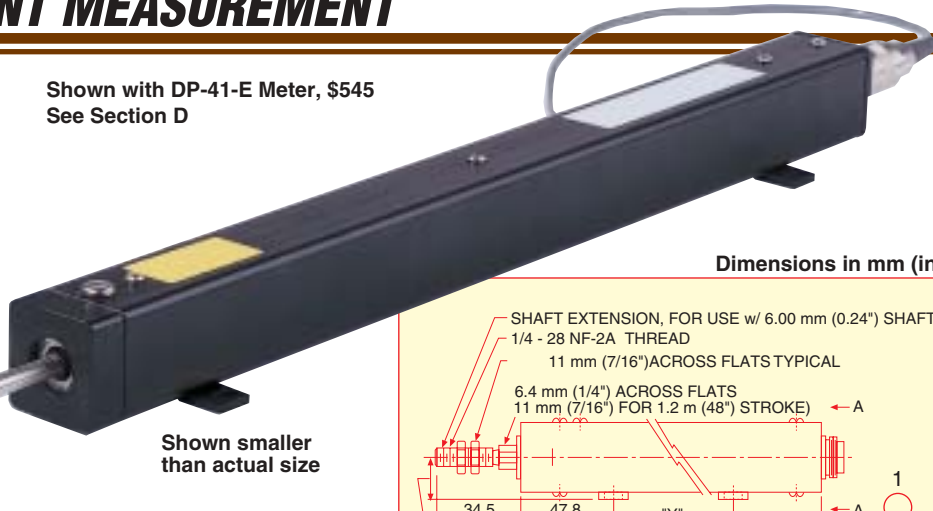


LONG STROKE LINEAR POTENTIOMETERS FOR DISPLACEMENT MEASUREMENT



Shown with DP-41-E Meter, \$545
See Section D



Shown smaller
than actual size

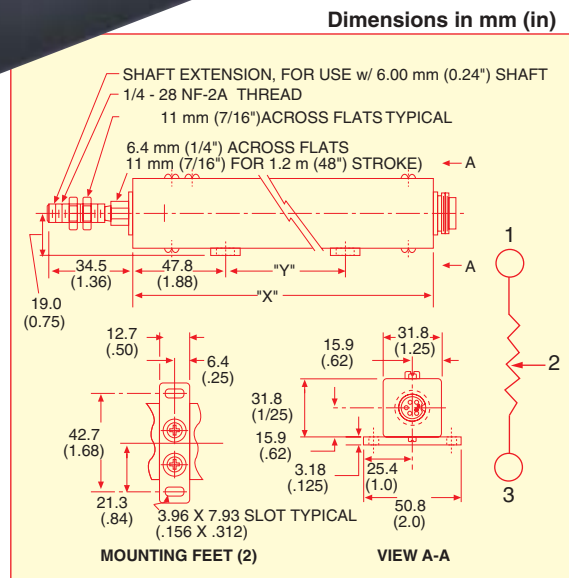
LP801 Series 150 mm to 1.2 m (6 to 48") Ranges

- ✓ Rugged Construction and Shaft Seals for Protection in Factory Environments
- ✓ Precious Metal Wipers Insure High Performance, and Low Noise
- ✓ Plastic Film Element Reduces Wear for Extremely Long Life

OMEGA's LP801 Series linear potentiometers can be used to measure linear position or displacement up to 1.2 m (48") in a

wide variety of manufacturing and process equipment. These units feature front and rear bearings, anodized extruded aluminum housings, stainless steel shafts, and precious metal wipers and contacts for long, trouble-free life in harsh factory environments. Based on a conductive plastic film element, the LP801 provides high resolution, absolute position measurement without external signal conditioners.

LP801
\$365
Basic Unit



SPECIFICATIONS

Total Resistance: 5000 Ω \pm 20%

Linearity: \pm 1% FS

Hysteresis: \pm 0.025 mm (0.001")

Repeatability: \pm 0.012 mm (0.0005")

Incremental Sensitivity: 0.0013 mm (0.00005")

Power Rating: 0.75 watts/stroke inch

Temp. Range: -65 to 105°C (-85 to 221°F)

Operating Force: 450 g (1 lb) max

Shaft: 6 mm (0.236") diameter with 1/4-28 threaded end adapter

Life: 100 million operations up to 300 mm (12") stroke-derated proportionally for longer units (standard rate of travel 50 mm/sec (2"/sec))

Most Popular Models Highlighted

To Order (Specify Model Number)

MODEL NO.	PRICE	ELECTRICAL TRAVEL		MECHANICAL TRAVEL		"X" DIMENSION (NOMINAL)		"Y" DIMENSION (NOMINAL)		COMPATIBLE METERS*
		mm	in.	mm	in.	mm	in.	mm	in.	
LP801-150	\$365	152	6.0	155	6.10	233	9.19	127	5.00	DP25-E, DP41-E
LP801-225	380	229	9.0	231	9.10	301	12.19	200	7.88	DP25-E, DP41-E
LP801-300	415	305	12.0	307	12.10	380	15.19	279	11.00	DP25-E, DP41-E
LP801-450	510	457	18.0	460	18.12	533	21.19	432	17.00	DP25-E, DP41-E
LP801-600	600	610	24.0	613	24.13	685	27.19	584	23.00	DP25-E, DP41-E
LP801-750	600	762	30.0	765	30.13	838	33.19	737	29.00	DP25-E, DP41-E
LP801-900	680	914	36.0	918	36.13	990	39.19	889	35.00	DP25-E, DP41-E
LP801-1200	850	1219	48.0	1224	48.18	1295	51.19	1194	47.00	DP25-E, DP41-E

Comes with complete operator's manual.

Ordering Example: LP801-150, 6" stroke linear potentiometer= \$365

*See Section D for compatible meters.