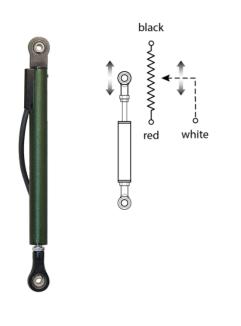


AUTHORIZED DISTRIBUTOR



Our miniature MLP series linear potentiometers offer unrivaled performance in an amazingly small size. Though small, the MLP is environmentally robust (IP67), operates over a broad temperature range (-22° to 300°F) and is long lasting (>25 million cycles).

These features make our miniature MLP linear potentiometer the perfect solution for many applications including industrial, medical, automotive, and motion control.

# **MLP** Miniature Linear Potentiometer

Absolute Linear Position to 6 inches (150 mm) 1.25K - 10K ohms • High Cycle Applications Industrial Automation, Test and Robotics Applications **IP67 Protection • Extended Temperature Range** 

#### General

Full Stroke Ranges	0-0.5 to 0-6 in. (0-12.5 to 0-150 mm)
Output Signal	voltage divider (potentiometer)
Linearity	.5% to 1%, see ordering information
Repeatability	0.01 mm
Resolution	essentially infinite
Life Expectancy	> 25 million cycles
Operating Speed	400 inches (10 M) per second max.
Enclosure Material	aluminum
Sensor	conductive plastic linear potentiometer
Weight	1.6 oz. (46 g) max., see ordering information

### Electrical

Input Resistance	see ordering information
Recommended Maximum Input Voltage	42 VDC
Recommended Operating Wiper Current	< 10µA
Electrical Cable	24 AWG Raychem 55M wire with VITON sleeve
Electrical Cable Length	19 inches (500mm)
Environmental	
Environmental Enclosure Design	IP67
	IP67 -22° to 300°F (-30° to 150°C)
Enclosure Design Operating Temperature ,	

SENSOR SOLUTIONS /// MLP

ALTHEN **SENSORS & CONTROLS**  Germany/Austria/Switzerland Benelux info@althen.de

12//2015

France

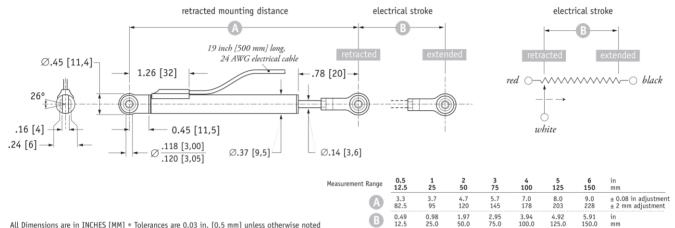
Sweden

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## **Ordering Information**

Item Number:	MLP-12	MLP-25	MLP-50	MLP-75	MLP-100	MLP-125	MLP-150
measurement range, in. [mm]:	0.5 [12.5]	1 [25]	2 [50]	3 [75]	4 [100]	5 [125]	6 [150]
resistance, ohms (±20%):	1.25K	2.5K	5K	7.5K	10K	10K	10K
linearity, %:	± 1%	± 1%	± 1%	± 0.5%	± 0.5%	± 0.5%	± 0.5%
weight, oz. [grams]:	.8 [24]	.9 [26]	1 [29]	1.2 [33]	1.3 [37]	1.5 [43]	1.6 [46]

## **Outline Drawing**



All Dimensions are in INCHES [MM] . Tolerances are 0.03 in. [0.5 mm] unless otherwise noted

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