

Conductive Plastic Linear Sensor

LP-F-63 Series



- Conductive Plastic Linear Sensor

- Effective Electrical Travel:

- 100mm±1mm

- 150mm±1mm

- 200mm±1mm

- 250mm±1mm

- 300mm±1mm

- Independent Linearity : $\pm 0.3\%$

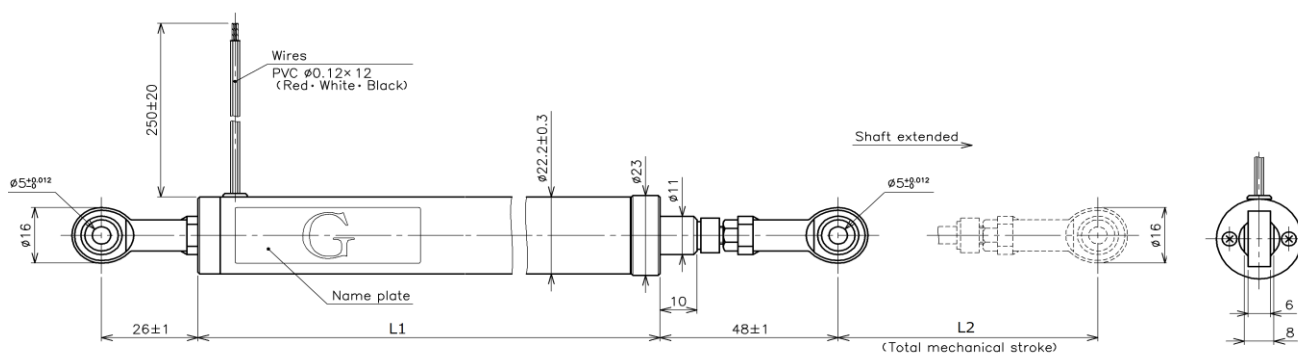
- Rod end bearing with both ends

- 【Option】

- Independent Linearity : $\pm 0.1\%$

- with lead connector: Binder 09-0309-00-04 (Model: LP-F-62)

Dimension [mm]



【Model No.】

LP-100F-63

LP-150F-63

LP-200F-63

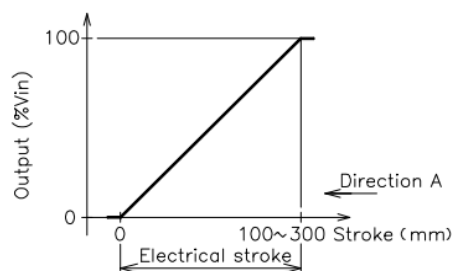
LP-250F-63

LP-300F-63

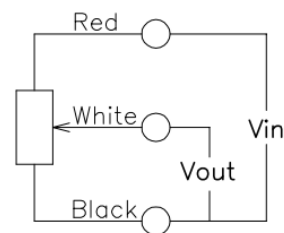
【Housing Length・Mounting】

Housing Length L1	145±1	195±1	245±1	295±1	345±1	mm
Mech. stroke L2	103±2	153±2	203±2	253±2	304±1	mm

Output Characteristics



Schematic



- Red, White, Black indicate lead colors.

【Model No.】	LP-100F-63	LP-150F-63	LP-200F-63	LP-250F-63	LP-300F-63
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【Electrical Data】

Effective Electrical Travel	100±1	150±1	200±1	250±1	300±1	mm
Total Resistance	1, 2, 5, 10				2, 5, 10	kΩ
Total Resistance Tolerance	±20%					%
Independent Linearity	±0.3(Special Linearity±0.1%)					%
Input Voltage	2W/70°C				4W/70°C	
Output Smoothness	MAX. 0.1					%
Insulation Resistance	MIN. 100MΩ / DC 500V					
Dielectric Strength	AC500V / 1 Minute					
TC of Resistance	±400					ppm/K

【Mechanical Data】

Friction	MAX. 2					N
Mass	95 Approx.	125 Approx.	165 Approx.	205 Approx.	245 Approx.	g

【Environmental Data】

Life	5 Million					Cycle
Operating Temp.	-25~+80					°C
Storage Temperature Range	-25~+80					°C
Vibration	100m/s ² 20~500Hz 3axis 2hours each					
Shock	500m/s ²					
IP Rating	IP40					

■ Handling Instruction

To avoid burnout of resistive element, do not supply 1mA Min. current to terminal 2.