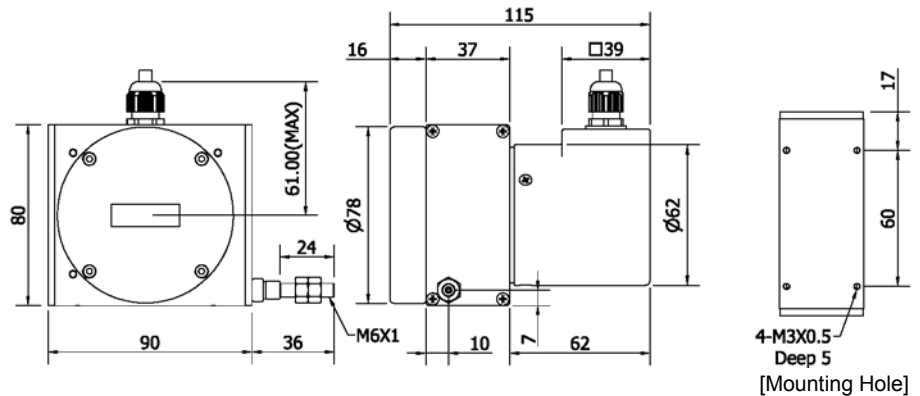


- PRECISION ANALOG CURRENT 4-20mA SIGNAL OUTPUT
- SUITABLE FOR SHORT TO MEDIUM MEASUREMENT RANGE



### ELECTRICAL SPEC.

Full Stroke (mm)	500, 750, 1000, 1250, 1500, 2000, 3000, 4000
Sensor	Wire-wound and hybrid potentiometer
Output Signal Mode	4-20 mA (2 wires)
Resolution	Essentially infinite
Linearity	(standard class) ±0.3% FS; (precision class) ±0.15% FS
Repeatability	±0.05% FS
Input Power	15-24Vdc±20%
Input Current	20 mA max.
Loop Resistance (load)	(loop supply voltage -12) / 0.02 max.
Zero and Span Adjustment	±5%

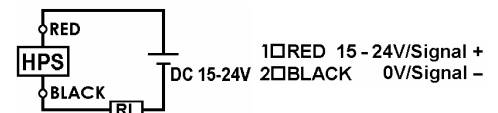
### MECHANICAL SPEC.

Wire Specification	(Stroke ≤ 1250 mm ) Diameter: 0.6 mm SUS304 with nylon coating (Stroke ≥ 1500 mm ) Diameter: 0.7 mm SUS304 with nylon coating
Max. Travel Speed	1,000 mm / sec.
Vibration	10 Hz to 2000 Hz, 10 g
Cable	Ø5.4, 100 cm long
Weight	< 1,000 g
Starting Torque on Spring	(Stroke ≤ 1250 mm ) 600 g; (Stroke ≥ 1500 mm ) 1000 g

### ENVIRONMENTAL SPEC.

Operating Temp. / Humidity	0°C ~ 70°C
Storage Temp.	-20°C ~ 80°C
Protection	IP64: Dust & Dripping Proof (only for potentiometer housing)

### Electrical Connection



### ORDERING INFORMATION

<b>HPS - M1</b>	Measuring Range	Signal Mode	Life
	<b>05</b> : 500 mm <b>15</b> : 1500 mm <b>075</b> : 750 mm <b>20</b> : 2000 mm <b>10</b> : 1000 mm <b>30</b> : 3000 mm <b>125</b> : 1250 mm <b>40</b> : 4000 mm	* <b>420</b> : 4-20mA	<b>Blank</b> : 1 X 10 <sup>6</sup> cycles, linearity 0.3% FS * <b>F</b> : 5 X 10 <sup>6</sup> cycles, linearity 0.15% FS * <b>F25</b> : 5 X 10 <sup>8</sup> cycles, linearity 0.3% FS