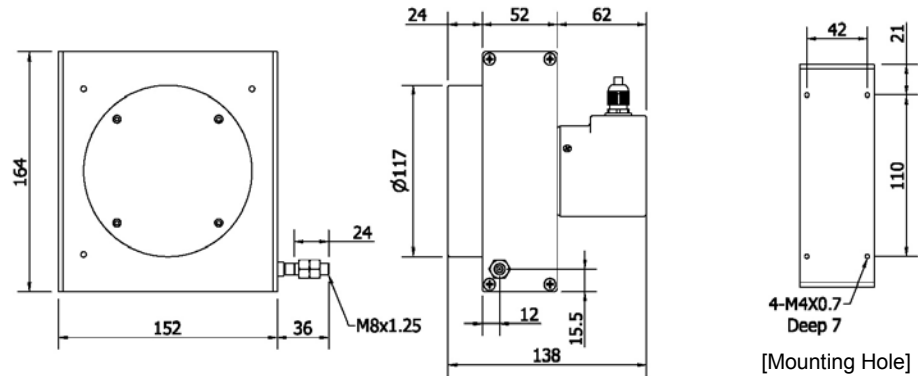


# HPS-L1-V

HONTKO®

## LINEAR WIRE POTENTIOMETER

- PRECISION ELECTRIC 0-5V and 0-10V SIGNAL OUTPUT
- SUITABLE FOR LONG MEASUREMENT RANGE



### ELECTRICAL SPEC.

Full Stroke (mm)	3000, 4000, 5000, 6000, 8000
Sensor	Wire-wound and hybrid potentiometer
Output Signal Mode	0-5Vdc or 0-10Vdc
Resolution	Essentially infinite
Linearity	(standard class) $\pm 0.3\%$ FS; (precision class) $\pm 0.15\%$ FS
Repeatability	$\pm 0.05\%$ FS
Input Power	10-30Vdc for 0-5V output; 15-30Vdc for 0-10V output
Input Current	10 mA max.

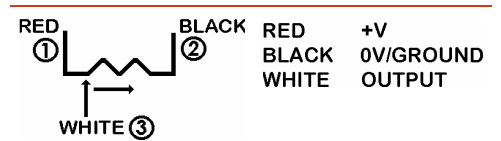
### MECHANICAL SPEC.

Wire Specification	Diameter: 1.0 mm SUS304 with nylon coating
Max. Travel Speed	600 mm / sec.
Vibration	10 Hz to 2000 Hz, 10 g
Cable	$\varnothing 5.4$ , 100 cm long
Weight	< 3,500 g
Starting Torque on Spring	$\leq 2,200$ 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

HPS - L1	Measuring Range	Signal Mode	Life
	30 : 3000 mm    60 : 6000 mm	*5V: 0-5Vdc	Blank: 1 X 10 <sup>6</sup> cycles, linearity 0.3% FS
	40 : 4000 mm    80 : 8000 mm	*10V: 0-10Vdc	*F: 5 X 10 <sup>6</sup> cycles, linearity 0.15% FS
	50 : 5000 mm		*F25: 5 X 10 <sup>6</sup> cycles, linearity 0.3% FS