

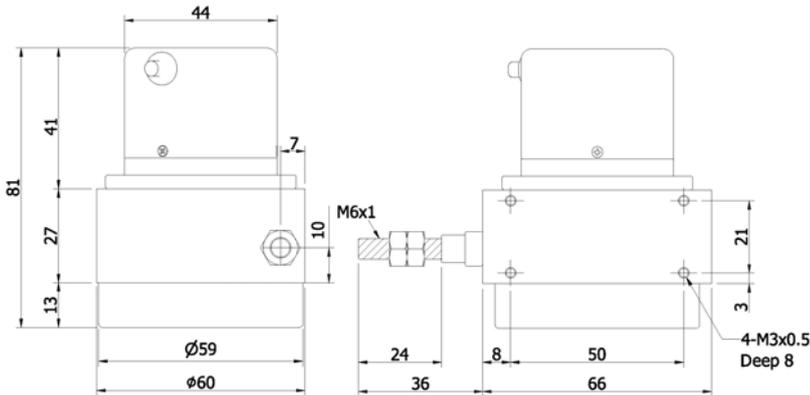
# HPS-S-V

## DISPLACEMENT SENSOR LINEAR WIRE POTENTIOMETER



- Measuring Range 1000 mm
- Electric 0-5Vdc and 0-10Vdc Output

### DIMENSION



### ORDERING INFORMATION

HPS-S	Measuring Range 量測行程	Signal Mode 信號模式	Pot. Life 電位計壽命及線性度
	10: 1000 mm	*5V: 0-5V *10V: 0-10V	Blank: 1x10 <sup>6</sup> cycles, linearity 0.3%FS *F25: 5x10 <sup>6</sup> cycles, linearity 0.3%FS *F: 5x10 <sup>6</sup> cycles, linearity 0.15%FS

### ELECTRICAL SPEC.

Full Stroke (mm) 量測行程	1000
Sensor	Wire-wound and hybrid potentiometer
Output Signal Mode 輸出信號模式	0-5Vdc or 0-10Vdc
Resolution 解析	Essentially infinite
Linearity 線性度	[standard class] $\pm 0.3\%$ FS( $\pm 1$ count); [precision class] $\pm 0.15\%$ FS( $\pm 1$ count)
Repeatability 重覆性	$\pm 0.05\%$ FS
Input Power 供應電壓	15-30Vdc $\pm 20\%$
Input Current 供應電流	10 mA max.

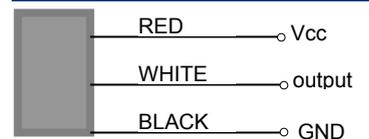
### MECHANICAL SPEC.

Wire Specification 線徑規格	Material: SUS304 with nylon coating; Diameter: 0.6 mm; Breaking load: 16 Kg
Max. Travel Speed 最大往復速度	500 mm / sec.
Vibration 震動	10 Hz to 2000 Hz, 10 g
Cable 電線	$\varnothing 4.2$ , 50 cm long
Weight 重量	< 600 g
Starting Torque on Spring 拉力	< 600 g

### ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度/濕度	-0°C ~ 70°C, RH35% ~ 90%(No Condensation)
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP50: Dust Proof (only for potentiometer housing)

### Electrical Connection



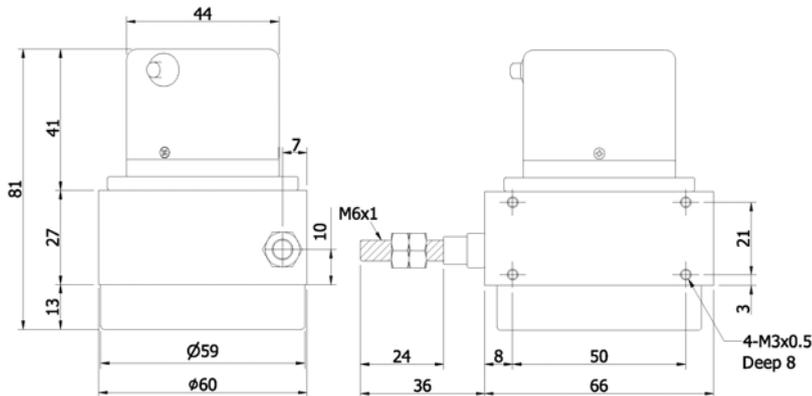
# HPS-S-MA

## DISPLACEMENT SENSOR LINEAR WIRE POTENTIOMETER



- Measuring Range 1000 mm
- Analog Current 4-20mA Output

### DIMENSION



### ORDERING INFORMATION

HPS-S -	[ ]	- 420 -	[ ]
	Measuring Range 量測行程		Pot. Life 電位計壽命及線性度
	10 : 1000 mm		Blank: 1x10 <sup>6</sup> cycles, linearity 0.3%FS
			*F25: 5x10 <sup>6</sup> cycles, linearity 0.3%FS
			*F: 5x10 <sup>6</sup> cycles, linearity 0.15%FS

### ELECTRICAL SPEC.

Full Stroke (mm) 量測行程	1000
Sensor	Wire-wound and hybrid potentiometer
Output Signal Mode 輸出信號模式	4-20 mA
Resolution 解析	Essentially infinite
Linearity 線性度	[standard class] ±0.3% FS(±1 count); [precision class] ±0.15% FS(±1 count)
Repeatability 重覆性	±0.05% FS
Input Power 供應電壓	15-30Vdc±20%
Input Current 供應電流	20 mA max.
Loop Resistance (load)	(loop supply voltage -12) / 0.02 max.
Zero and Span Adjustment	±5%

### MECHANICAL SPEC.

Wire Specification 線徑規格	Material: SUS304 with nylon coating; Diameter: 0.6 mm; Breaking load: 16 Kg
Max. Travel Speed 最大往復速度	500 mm / sec.
Vibration 震動	10 Hz to 2000 Hz, 10 g
Cable 電線	Ø4.2, 50 cm long
Weight 重量	< 600 g
Starting Torque on Spring 拉力	< 600 g

### ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度/濕度	-0°C ~ 70°C, RH35% ~ 90%(No Condensation)
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP50: Dust Proof (only for potentiometer housing)

### Electrical Connection

