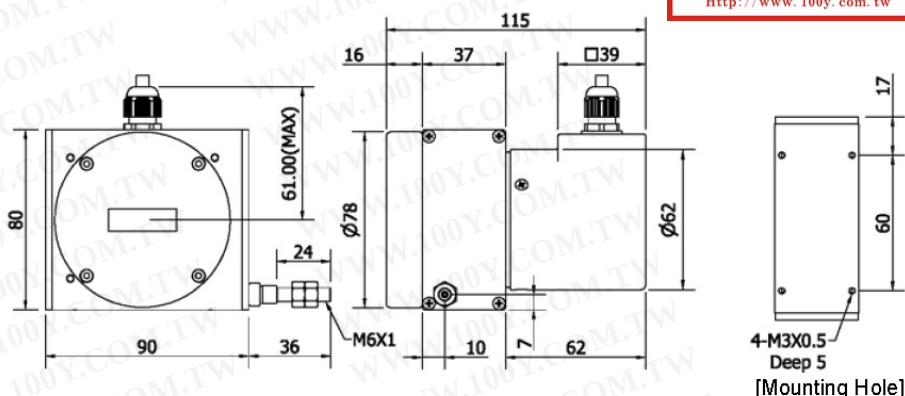


HPS-M1-MA

LINEAR WIRE POTENTIOMETER

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

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



ELECTRICAL SPEC.

Full Stroke (mm) 量測行程	500, 750, 1000, 1250, 1500, 2000, 3000, 4000
Sensor	Wire-wound and hybrid potentiometer
Output Signal Mode 輸出信號模式	4-20 mA (2 wires)
Resolution 解析	Essentially infinite
Linearity 線性度	(standard class) $\pm 0.3\%$ FS; (precision class) $\pm 0.15\%$ FS
Repeatability 重覆性	$\pm 0.05\%$ FS
Input Power 供應電壓	15-24Vdc $\pm 20\%$
Input Current 供應電流	20 mA max.
Loop Resistance (load)	(loop supply voltage -12) / 0.02 max.
Zero and Span Adjustment	$\pm 5\%$

MECHANICAL SPEC.

Wire Specification 線徑規格	(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 最大往復速度	1,000 mm / sec.
Vibration 震動	10 Hz to 2000 Hz, 10 g
Cable 電線	$\varnothing 5.4$, 100 cm long
Weight 重量	$< 1,000$ g
Starting Torque on Spring 拉力	(Stroke ≤ 1250 mm) 600 g; (Stroke ≥ 1500 mm) 1000 g

ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度/濕度	0°C ~ 70°C
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP64: Dust & Dripping Proof (only for potentiometer housing)

Electrical Connection



ORDERING INFORMATION

HPS - M1	Measuring Range 量測行程	Signal Mode 信號模式	Life 壽命及線性度
	05 : 500 mm 075 : 750 mm 10 : 1000 mm 125 : 1250 mm	15 : 1500 mm 20 : 2000 mm 30 : 3000 mm 40 : 4000 mm	*420: 4-20mA Blank: 1×10^6 cycles, linearity 0.3% FS *F: 5×10^6 cycles, linearity 0.15% FS *F25: 5×10^6 cycles, linearity 0.3% FS