

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	Resistance (Potentiometer)
Resolution 解析	Essentially infinite
Linearity 線性度	(standard class) $\pm 0.25\%$ FS; (precision class) $\pm 0.1\%$ FS
Repeatability 重覆性	$\pm 0.02\%$ FS
Output Resistance 輸出電阻值	(standard class) 5K ohm $\pm 10\%$ FS; (precision class) 5K ohm $\pm 5\%$ FS
Power Rating (watts)	(stroke 500 mm) 1W at 40°C; (stroke ≥ 1000 mm) 2W at 40°C
Recommended Input Voltage 輸入電壓	30V (AC/DC) max., best voltage at 5 ~ 10 VAC/VDC

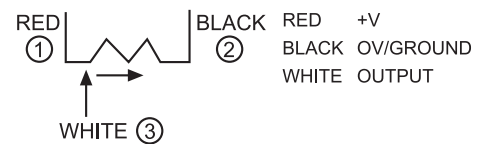
MECHANICAL SPEC.

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, 10g
Cable 電線	$\varnothing 5.4$, 100 cm long, radial cable output
Weight 重量	< 1,000g
Starting Torque Spring 拉力	(Stroke ≤ 1250 mm) 600g; (Stroke ≥ 1500 mm) 1000g

ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度/濕度	-20°C ~ 70°C, RH35% ~ 90%(No Condensation)
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

EHP-SM1-

Measuring Range
量測行程

05: 500 mm 15: 1500 mm
075: 750 mm 20: 2000 mm
10: 1000 mm 30: 3000 mm
125: 1250 mm 40: 4000 mm

Signal Mode
信號模式

R: Resistance 5K ohm

Life
壽命及線性度

Blank: 1 X 10⁶ cycles, linearity 0.25% FS
*F: 5 X 10⁶ cycles, linearity 0.1% FS
*F25: 5 X 10⁶ cycles, linearity 0.25% FS