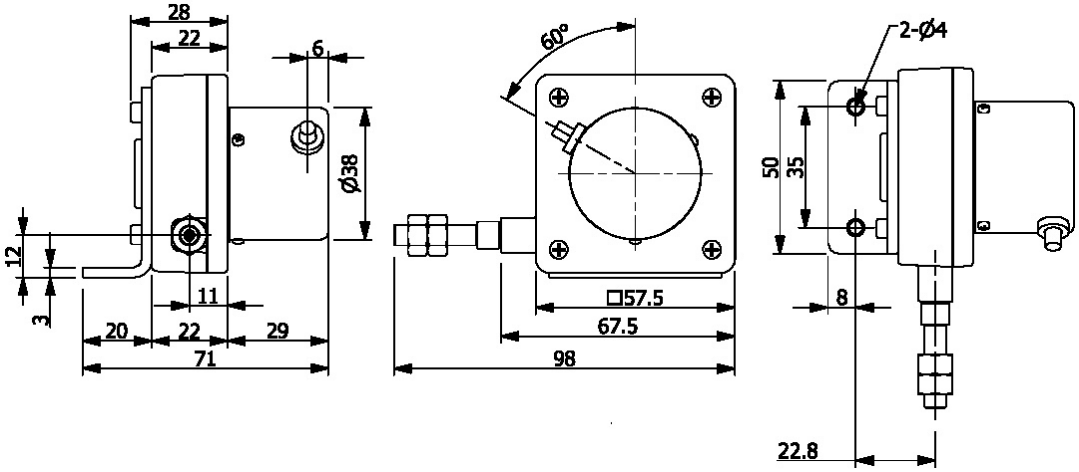
HPS-A-10-R

DISPLACEMENT SENSOR

LINEAR WIRE POTENTIOMTER

DIMENSION



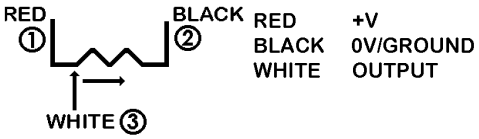
ELECTRICAL SPEC.

Full Stroke (mm) 量測行程	1000
Sensor	Wire-wound and hybrid potentiometer
Output Signal Mode 輸出信號模式	Resistance 5K ohm (Potentiometer)
Resolution 解析	Essentially infinite
Linearity 線性度	±0.3% FS
Repeatability 重覆性	±0.05% FS
Output Resistance 輸出電阻值	5K ohm ± 10% FS
Power Rating (watts)	2 W at 40℃
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	Material: SUS304 with nylon coating; Diameter: 0.6 mm; Breaking load: 16 Kg
Case Material 外殼材質	ABS 塑鋼
Mounting Bracket Material 固定架材質	Iron 鐵
Max. Travel Speed 最大往復速度	500 mm / sec.
Vibration 震動	10 Hz to 2000 Hz / 1.5 mm X.Y. Z. 2Hr
Cable 電線	Ø4.2, 50 cm long
Weight 重量	< 600 g
Starting Torque on Spring 拉力	< 400 g

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	IP50: Dust Proof (only for potentiometer housing)

Electrical Connection