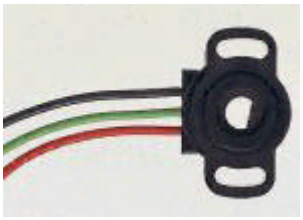
Rotary Position Sensor



A 106 degree rotary position sensor, spring returned in the clockwise direction when viewed from above. Electrical connections are by flying leads to the 5kΩ resistive element. For best results use as a potential divider (not as a variable resistor) and buffer the resulting output using a high input impedance amplifier. The sensor can be fixed by two M3 set screws which pass through elongated slots thus enabling angular adjustment to be made.
The rotor of this sensor is hollow enabling a "D' profile shaft to be inserted from either side, thus providing both clockwise and anti-clockwise spring biasing.

technical specification	
Resistance	5kΩ linear
Tolerance	±20%
Linearity	±2% over 100°
Max. power	1W at 40°C derate to zero at +135°C
Mechanical rotation	130°
Electrical rotation	106°
Mechanical life	10^6 full cycles, 6×10^6 2° dither cycles
Lead length	0·2m

x = 1

	stock no.	price each NZ$	
		1-9	*10-24*
R.P. Sensor	**319-310**	**64.20**	**58.90**