

ROTARY TORQUE SENSOR

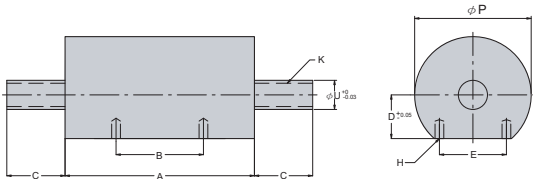
RT 迴轉式扭力計，系專為旋轉中量測扭力而設計之感應器，採用剪力式轉軸應力量測結構，剛性強，結構穩固，轉速高；採用碳刷式傳遞量測信號，雜訊低，體積小，重量輕，一體式的設計，簡潔美觀，堅固耐用。具以下之特點：

RT Rotary Torque sensor is special designed for measuring the torque on a continue rotating shaft. It is constructed by a rigid spindle with share strain detect sensor. The high speed carbon brush to pick up the torque signal. Yet, that is low noise , small, light, and precise.

特點 Features

- 體積小 **Small**
- 剛性強 **Rigid**
- 高轉速 **High Speed**
- 低雜訊 **Low Noise**
- **RT-0.25, 0.5, 1, 2.5, 5, 10, 25, 50, 100, 250, 500, 1000NM**

Installation Dimensions



Model(N·m)	A	B	C	D	E	H	K	P	U
RT-0.25 RT-10	96	51	20	18	32	M4 ×0.7	3 ×1.8	52	10
RT-25 RT-100	98	51	35	25	32	M4 ×0.7	4 ×2.5	62	20
RT-250 RT-1000	115	65	60	36	44	M6 ×1.0	10 ×5	88	40

Specification

額定輸出 Rated Output	1mV/V
非線性	0.5%
輸入阻抗 Input Resistance	410 or 385 or 350 Ω
輸出阻抗 Output Resistance	350 Ω
使用範圍 Safe Temp.Range	-10℃~50℃
最大輸入電壓 Max. Excitation Voltage	20V
建議輸入電壓 Recommended Excitation Voltage	10V
容許轉速	100NM以下5000RPM 250NM以下4000RPM
溫度對零點之影響 Temp.Effect on Zero Balance	0.05%/10℃
溫度對輸出影響	0.03%/10℃
零點誤差 Zero Balance	±3%R.O.
容許負荷 Safe Overload Rating	150%
接線方式 Cable Connection	1: 電源(+) 2: 電源(-) 1: 信號(+) 2: 信號(-)