

# ▶ KGY-4

## ▶ 扭力環傳感器 TORSION CIRCLE LOAD CELL

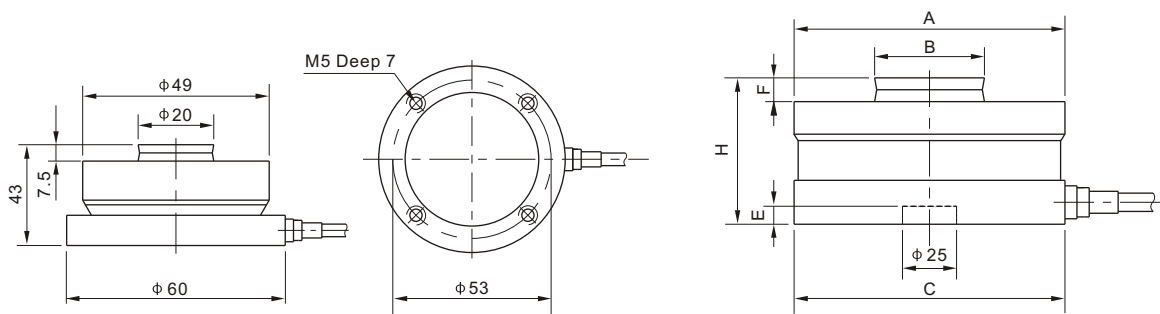
▶ 材質：合金鋼  
Material: Alloy Steel



KGY-4型扭力環傳感器，採用先進的扭環結構，具有外形尺寸小、量程覆蓋面大、精度高等優點，具有安裝方便、抗偏載能力強、抗衝擊性能好等特點，經過良好的防潮密封，適應惡劣的工作環境，適合制做汽車衡、料鬥秤、配料秤等產品。

Advanced torsion circle structure,  
Low profile, high accuracy, full range of capacities  
Easy to install, strong anti-deflective loading  
Good shock resistance and moistureproof sealed  
Ideal for hostile environment, suitable for truck scale, hopper scale, batch scales, etc.

Main Dimensions and Accessories



量程 Capacity: 1, 2, 2, 4, 4t

量程 Capacity: 10-470t

量程 Capacity 尺寸 Size mm	10t	15t	22t	33t	47t	68t	100t	150t	220t	330t	470t
<b>A</b>	74.0	75.0	75.0	95.0	130.0	130.0	150.0	150.0	225.0	225.0	270.0
<b>B</b>	30.0	30.0	30.0	40.0	60.0	60.0	70.0	70.0	100.0	100.0	120.0
<b>C</b>	75.0	75.0	75.0	95.0	130.0	130.0	150.0	150.0	225.0	225.0	270.0
<b>E</b>	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	10.0	10.0	10.0
<b>F</b>	6.5	6.5	6.5	10.0	14.0	14.0	16.0	16.0	24.0	24.0	28.0
<b>H</b>	50.0	50.0	50.0	65.0	75.0	85.0	90.0	100.0	130.0	145.0	170.0

### ▶ 主要技術指標 SPECIFICATIONS

◇靈敏度Rated Output(mV/V)	2.85±0.01	◇輸入電阻Input Resistance(Ω)	1400±5
◇非線性Nonlinearity	±0.02%FS ±0.03%FS	◇輸出電阻Output Resistance(Ω)	1400±3
◇滯后Hysteresis	±0.02%FS ±0.03%FS	◇絕緣電阻Insulation Resistance	≥5000MΩ
◇重復性Repeatability	±0.2%FS	◇供橋電壓Excitation Voltage	10V(DC/AC)
◇蠕變Creep(30minutes)	±0.02%FS ±0.03%FS	◇溫度補償範圍Compensated Temperature Range	-10℃~+50℃
◇零點輸出Zero Balance	±1.00%FS	◇使用溫度範圍Operating Temperature Range	-20℃~+60℃
◇零點溫度系數Temperature Effect on Zero	±0.02%FS/10℃	◇允許過載負荷Safe Overload	120%FS
◇額定輸出溫度系數Temperature Effect on Output	±0.02%FS/10℃	◇連接電纜Cable	φ5 (φ6) ×9m

#### 連接方法Cable Color Code

Input: Red(+) Black(-); Output: Green(+) White(-)  
輸入：紅(+) 黑(-)；輸出：綠(+) 白(-)