

WIRE TENSION LOADCELL

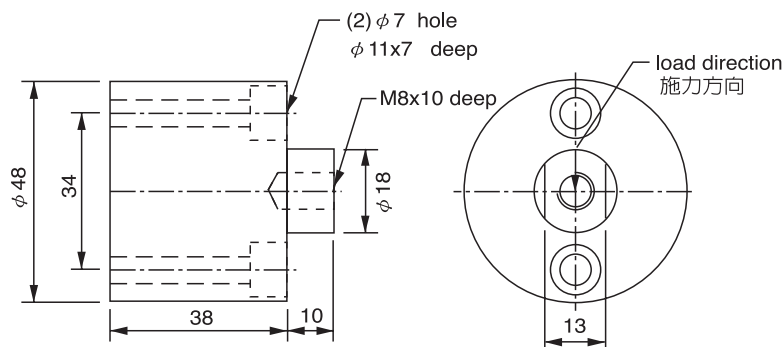
本型TW線張力感測器，專為線張力量測而設計，採用高敏感度雙層樑式感應結構，並以鋁合金外殼保護感應元件，使力量感應達到最高之精度與敏感度，前端安裝螺孔使張力量測轉輪安裝方便容易，特別適用於線張力量測及控制上，具以下之特點：

This wire tension loadcell use high sensitivity double beams structure as sensing element. Aluminum alloy cover protects the sensing element. End thread mounting let it be easy install the rotation wheel. Thus it is accurate and convenience for used in wire tension force measurement and control process.

特點 Features

- 密封保護 **Hermetically Sealed**
- 高精度 **High Accuracy**
- 安裝容易 **Easy install**
- **TW-1, 2.5, 5, 10, 15, 20kg**

Installation Dimensions



Specification

額定輸出 Rated Output	1.0mV/V $\pm 1\%$
總和誤差 Total Error	0.3 %R.O.
重現性 Repeatability	0.2 %R.O.
潛變 Creep	0.1 %/20min
輸入阻抗 Input Resistance	420 $\pm 15 \Omega$
輸出阻抗 Output Resistance	350 Ω
最大輸入電壓 Max.Excitation Voltage	20V
建議輸入電壓 Recommended Excitation Voltage	10V
溫度被償範圍 Compensated Temp.Range	-10 $^{\circ}\text{C}$ ~ 50 $^{\circ}\text{C}$
使用範圍 Safe Temp. Range	-20 $^{\circ}\text{C}$ ~ 70 $^{\circ}\text{C}$
溫度對零點之影響 Temp.Effect on Zero Balance	0.05%/10 $^{\circ}\text{C}$
溫度對額定輸出之影響 Temp.Effect on Rated Output	0.03%/10 $^{\circ}\text{C}$
零點誤差 Zero Balance	$\pm 3\%$ R.O.
容許負荷 Safe Overload Rating	300%
導線長度 Cable Length	3M
接線方式 Cable Connection	Input: Red(+) Black(-) Output: Green(+) White(-)

