得豐實業有限公司
Dfwisdom Industrial CO., LTD

TW 線張力感測器 Wire Tension Load cell

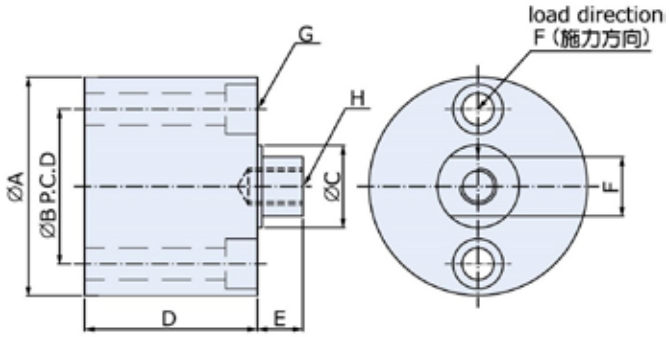
本型TW感測器專為線張力量測設計，採用高敏感度雙層梁式感應結構，並以鋁合金外殼保護感應元件，使力量感應達到最高之精度與敏感度，前端安裝螺孔使張力量測轉軸安裝方便且容易特別適用於線張力量測及控制上，具以下特點：

This wire tension load cell use a hogh sensitivity double beam structure as sensing element , and use aluminum alloy to cover nad protect it. End thread mounting allows easy installation of the rotation wheel Thus it is accurate and convenience for using in wire tension force measurement and control processes.

● 特點 Features

密封保護 Hermetically Sealed
高精度 High Accuracy
安裝容易 Easy Installation
TW - 10 , 25 , 50 , 100 , 200 , 350 , 500 N
1 kN

● 安裝尺寸 Installation Dimensions



TYPE	A	B	C	D	E	F	G	H
TW - 10 N (1.020 kgf)	48	34	18	38	10	13	(2)Φ7 hole Φ11x7 deep	M8x1.25 x12 deep
TW - 25 N (2.549 kgf)								
TW - 50 N (5.099 kgf)								
TW - 100 N (10.20 kgf)								
TW - 200 N (20.39 kgf)								
TW - 350 N (35.69 kgf)								
TW - 500 N (50.99 kgf)								
TW - 1 kN (102.0 kgf)	54	40	24	45.5	12.5	19	(2)Φ7 hole Φ11x7 deep	M12x1.75 x16 deep

● 規格 Specification

額定輸出 Rated Output 1.0mV / V
總和誤差 Total Error ±0.3%R.O.
重現性 Repeatability ±0.1%R.O.
潛變 Creep 0.05% / 20min
輸入阻抗 Itput Resistance 420 ± 15 Ω
輸出阻抗 Output Resistance 350 Ω
最大輸入電源 Max. Excitation Voltage 20 V
建議輸入電源 Recommended Excitation Voltage 10 V
溫度補償範圍 Compensated Temp. Range -10°C ~ 50°C
使用範圍 Safe Temp. Range -20°C ~70°C
溫度對零點之影響 Tepm. Effect on Zero Balance 0.05%R.O. / 10°C
溫度對額定輸出之影響 Tepm. Effect on Rated Output 0.03% Load / 10°C
零點誤差 Zero Balance ±3%R.O.
容許負荷 Safe Over Load Rating 200%
導線長度 Cable Length 3m
接線方式 Cable Connection Input : Red (+) Exci : Black (-) Exci Output : Green (+) Sign White (-)Sign

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