



# 得豐實業有限公司

## Dfwisdom Industrial CO., LTD

### PIN 型荷重元 Load cell

PIN荷重元係專為大型載重監測而設計之荷重元，使用雙剪力樑式結構，並以應變規為感測元件，變形量小，精度高，適用於吊掛，滑輪，纜線拉力之量測上，具以下之特點：

The PIN load cell is a design for a heavy load measurement system. Using a double shear beam - type structure, and use the strain gauge for the sensor element. Its features are small deformation and high precision. It is ideally used to the hang pulley and pull measurement.



#### ● 特點 Features

PIN型結構 PIN - type structure

剛性強 Rigid

額定荷重 PIN - 5, 10, 20, 50, 100 kN

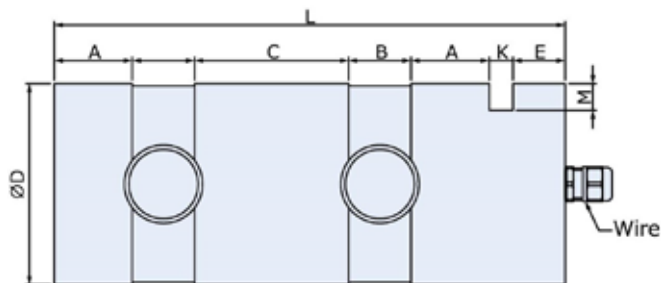
200, 500, 1000 kN

雙向感應 Bidirectional measurement

安裝容易 Easy installation

天車專用 For Tiantian car

#### ● 安裝尺寸 Installation Dimensions



TYPE	A	B	C	D	E	K	M	L
PIN - 5 kN (0.510 tf)								
PIN - 10 kN (1.020 tf)	15	10	25	25	4	3	3	82
PIN - 20 kN (2.039 tf)								
PIN - 50 kN (5.099 tf)	15	10	36	40	6	4	5	96
PIN - 100 kN (10.20 tf)								
PIN - 200 kN (20.39 tf)	25	10	54	60	8	5	7	137
PIN - 500 kN (50.99 tf)	40	12	62	80	10	7	10	183
PIN - 1000 kN (102.09 tf)	60	15	98	100	20	10	15	278

#### ● 規格 Specification

額定輸出 Rated Output	1.0mV / V 以上
總和誤差 Total Error	±0.5%R.O.
重現性 Repeatability	±0.2%R.O.
潛變 Creep	0.05% / 20min
輸入阻抗 Input Resistance	385 ± 5 Ω
輸出阻抗 Output Resistance	350 ± 5 Ω
最大輸入電源 Max. Excitation Voltage	20V
建議輸入電源 Recommended Excitation Voltage	10V
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 Temp. Effect on Zero Balance	0.01%R.O. / 10°C
溫度對額定輸出之影響 Temp. Effect on Rated Output	0.05% Load / 10°C
零點誤差 Zero Balance	±5%R.O.
容許負荷 Safe Over Load Rating	150%
導線長度 Cable Length	5m
接線方式 Cable Connection	Input : Red (+) Exci : Black (-) Exci Output : Green (+) Sign White (-) Sign