

MT 迷你型荷重元 Mini type Load cell

MT迷你荷重元係高精度力量感測器，使用應變規為感測元件，變形量小，精度高，所有感測電路均藏於金屬彈性體內，完全密封保護，不受外界干擾，穩定性高，體積非常小，容易安裝於結構體內，具以下之特點：

MT load cell is precision, tinny and compact. The sensing element imbedded in the metal structure, and hermetically sealed. It is ideally use to force control automatic machine.



● 特點 Features

拉壓雙向 Bidirectional Rally

剛性強 Rigid

輕薄設計 Light and thin design

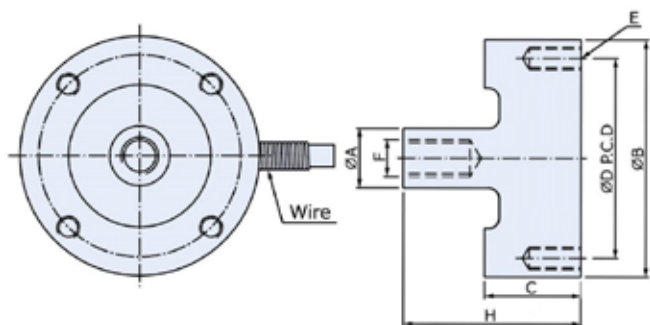
MT - 25, 50, 100, 250, 500 N

1, 2.5, 5, 10 kN

低雜訊 Noise Free

整體密封保護 Hermetically Sealed

● 安裝尺寸 Installation Dimensions



● 規格 Specification

額定輸出 Rated Output	1.0mV / V
總和誤差 Total Error	±0.5%R.O.
潛變 Creep	0.1% / 20min
輸出阻抗 Output Resistance	350 Ω
最大輸入電源 Max. Excitation Voltage	7.5V
建議輸入電源 Recommended Excitation Voltage	3 - 5V
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	0.1%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	3m
接線方式 Cable Connection	Input : Red (+) Exci : Black (-) Exci Output : Green (+) Sign White (-) Sign

TYPE	A	B	C	H	F	D	E
MT - 25 N (2.549 kgf)	6	24	10	18	M4 x 0.7 x 8 deep	20	(4)M2.5 x 0.45 x 6 deep
MT - 50 N (5.099 kgf)							
MT - 100 N (10.20 kgf)							
MT - 250 N (25.49 kgf)							
MT - 500 N (50.99 kgf)	8	32	13	24	M5 x 0.8 x 9 deep	27	(4)M3 x 0.5 x 7 deep
MT - 1 kN (102.0 kgf)							
MT - 2.5 kN (254.9 kgf)							
MT - 5 kN (509.9 kgf)	14	42	15	30	M10 x 1.5 x 15 deep	34	(4)M6 x 1.0 x 10 deep
MT - 10 kN (1020.0 kgf)							