

MT MINI 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：

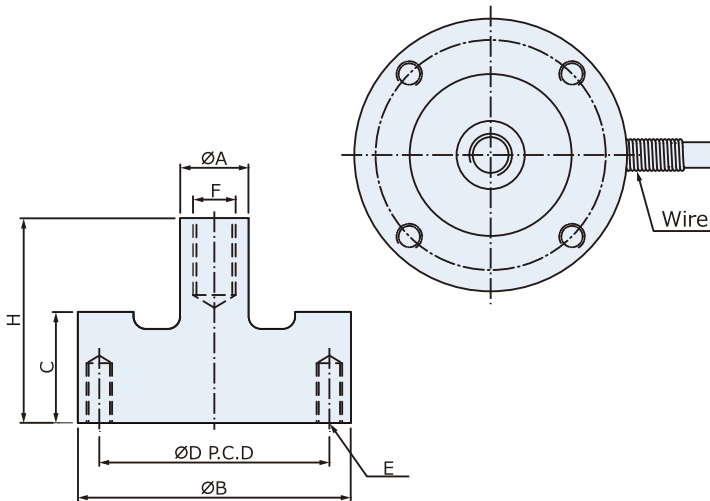
ML load cell is precision, tinny and compact. The sensing element imbedded in the metal structure, and hermetically sealed. It is ideally use to force control automatic machine.



■ 特點 Features

- 拉壓雙向 Bidirectional Rally
- 剛性強 Rigid
- 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

■ Installation Dimensions



■ 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	350Ω
最大輸入電壓 Max. Excitation Voltage	7.5V
建議輸入電壓 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	M4×0.7 ×8 deep	20	(4) M2.5×0.45 ×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	M5×0.8 ×9 deep	27	(4)M3×0.5 ×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	M10×1.5 ×15 deep	34	(4)M6×1.0 ×10 deep
MT-10 kN (1020 kgf)							