



得豐實業有限公司

Dfwisdom Industrial CO., LTD

TE 型張力測壓器 Tension load cell

本型TE張力側壓器，採用高敏感剪力感應結構及完全密封式保護，使力量感應達到最高之精度與敏感度，特別設計之過載保護使本感測器有較大之過載承受能力，特別適用於自動化機械之張力量測及控制上，具以下特點：

This tension force load cell uses high sensitivity shear beam as sensing element and hermetically sealed construction. Specially designed overload protection device greatly increases overload capacity.

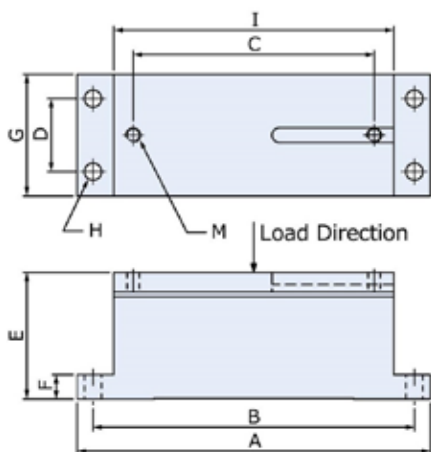


● 特點 Features

過載保護 Overload protection
密封保護 Hermetically Sealed

高精度 High accuracy
TE - 100, 250, 500 N
1, 2, 3.5, 5, 10, 20, 30, 50, 100 kN

● 安裝尺寸 Installation Dimensions



| TYPE | A | B | C | D | E | F | G | H | I | M |
|------------------------|-----|-----|-----|----|-----|----|----|----|-----|------------------------------------|
| TE - 100 N (10.20 kgf) | 145 | 132 | 83 | 30 | 52 | 10 | 50 | 7 | 115 | M6x1.0x10deep (T Slot 40 long) |
| TE - 250 N (25.49 kgf) | | | | | | | | | | |
| TE - 500 N (50.99 kgf) | 190 | 170 | 120 | 30 | 71 | 15 | 50 | 9 | 150 | M10x1.5x15deep (T Slot 65 long) |
| TE - 1 kN (102.0 kgf) | | | | | | | | | | |
| TE - 2 kN (203.9 kgf) | | | | | | | | | | |
| TE - 3.5 N (356.9 kgf) | 250 | 219 | 136 | 45 | 76 | 20 | 75 | 13 | 190 | M12x1.75 x20deep |
| TE - 5 kN (509.9 kgf) | | | | | | | | | | |
| TE - 10 N (1.020 tf) | | | | | | | | | | |
| TE - 20 N (2.039 tf) | | | | | | | | | | |
| TE - 30 N (3.059 tf) | | | | | | | | | | |
| TE - 50 N (5.099 tf) | 290 | 260 | 184 | 50 | 103 | 24 | 80 | 13 | 230 | M16x2.0x25deep (T Slot 40 long) |
| TE - 100 kN (10.20 tf) | | | | | | | | | | |

● 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 | ±0.2%R.O. |
| 潛變 Creep | 0.05% / 20min |
| 輸入阻抗 Input Resistance | 430 or 405 ± 25 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 | 0.05%R.O. / 10°C |
| 溫度對額定輸出之影響 Temp. 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 |