

SL 型荷重元 Load cell

本型感測器係配合沖床結構而設計，並聯於結構體上，用以偵測結構受力變形量，安裝容易穩定性高，此感測器採用高強度合金鋼及應變規式感測元件，反應速度快，敏感度高，特別適用於沖床壓力之監測，具以下之特點：

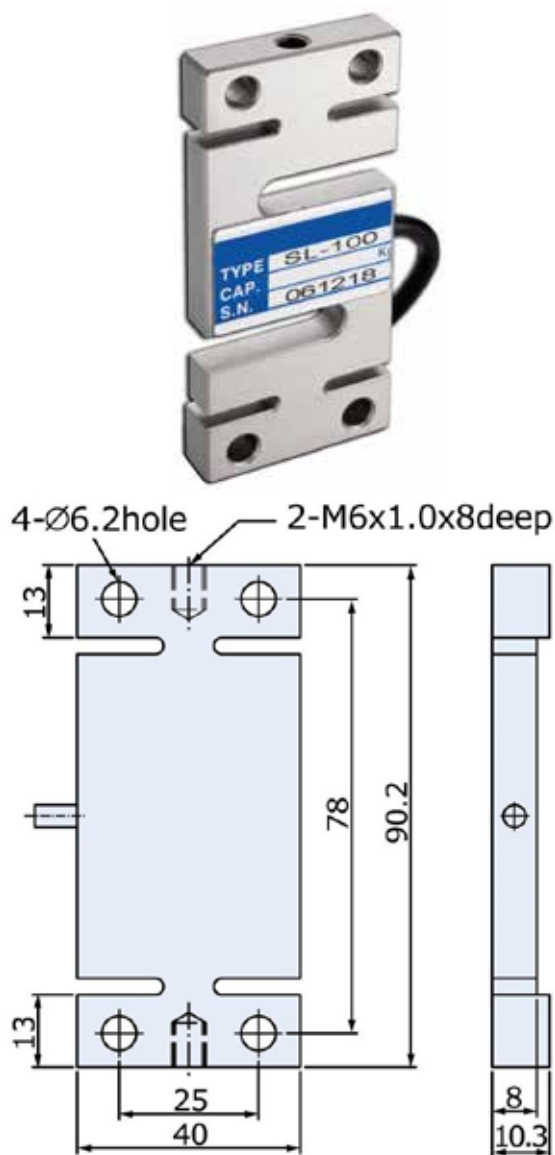
This SL load cell is a design for punch structure, and connects with structure. Made of high-strength alloy steel. It can detect the deformation, and it is easy installation and high sensitivity. Particularly suitable with punch pressure measurement.

● 特點 Features

密封保護 Moisture Hermetically Sealed
安裝容易 Easy installation

溫度補償 Thermally Compensated
反應速度快 Fast response

● 安裝尺寸 Installation Dimensions



● 規格 Specification

額定輸出 Rated Output	1.0mV / V (1000 μ)
總和誤差 Total Error	$\pm 0.2\%$ R.O.
重現性 Repeatability	$\pm 0.1\%$ R.O.
潛變回復 Creep	0.1% / 20min
解析度 Resolutions	1 / 10000
輸入阻抗 Input Resistance	415 \pm 15 Ω
輸出阻抗 Output Resistance	350 \pm 5 % Ω
最大輸入電源 Max. Excitation Voltage	10V
建議輸入電源 Recommended Excitation Voltage	5V
溫度補償範圍 Compensated Temp. Range	-10°C ~ 50°C
容許使用範圍 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	$\pm 5\%$ 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