

## PLDB 型荷重元 Load cell

本荷重元係專為平台秤重單元所設計之荷重元，採扁平式之結構設計，以降低秤重單元之高度使用高強度鋁合金材料，感應部份全部以矽膠密封保護，特別適用於秤台及工業秤重之需求，具以下之特點：

This Load cell is a special design for platform weighing scale. The low-profile construction reduces weighing scale dimensions. Using high strength aluminum alloy as spring element. A silicon coating protects the sensor elements. It is suitable for using in platform scales or industrial weighting applications.

### ● 特點 Features

扁平式結構 Low profile

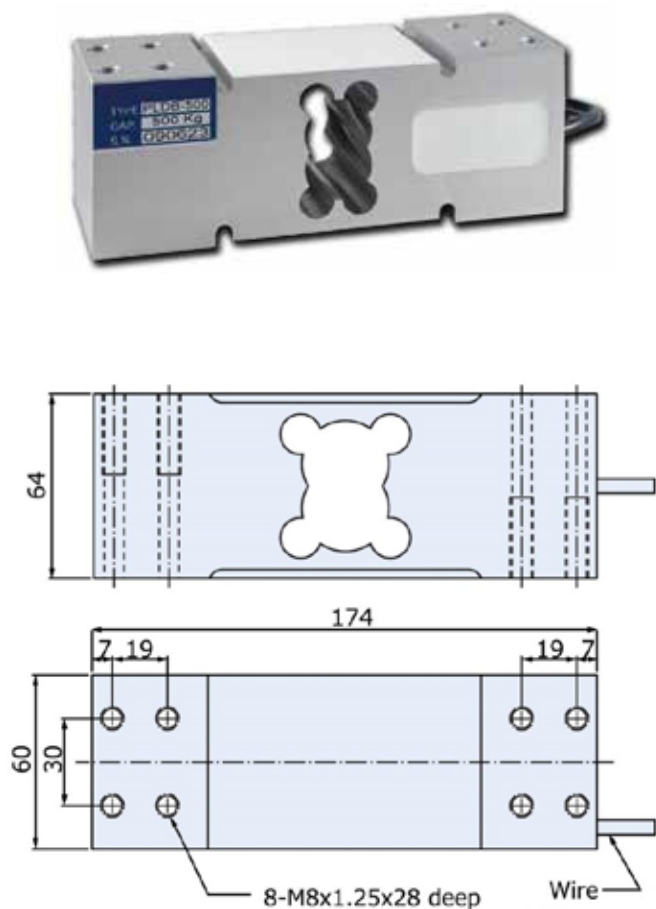
封膠保護 Silicon coating protection

PLDB - 60, 100, 200, 300, 500, 800, 1000, 1200 kg

低偏心誤差 Low Corner error

防塵防水 Moisture and protection

### ● 安裝尺寸 Installation Dimensions



### ● 規格 Specification

|                                         |                                                                                         |
|-----------------------------------------|-----------------------------------------------------------------------------------------|
| 額定輸出 Rated Output                       | 2.0mV / V                                                                               |
| 總和誤差 Total Error                        | 0.05                                                                                    |
| 重現性 Repeatability                       | 0.03                                                                                    |
| 潛變 Creep                                | 0.05% / 30min                                                                           |
| 輸入阻抗 Input Resistance                   | 430 or 405 $\pm$ 25 $\Omega$                                                            |
| 輸出阻抗 Output Resistance                  | 350 $\pm$ 5 $\Omega$                                                                    |
| 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                       | $\pm$ 3% R.O.                                                                           |
| 容許負荷 Safe Over Load Rating              | 150%                                                                                    |
| 建議檯面尺寸 Recommended Platform Size        | 800x800 mm                                                                              |
| 導線長度 Cable Length                       | 3m                                                                                      |
| 接線方式 Cable Connection                   | Input : Red ( + ) Exci : Black ( - ) Exci<br>Output : Green ( + ) Sign White ( - ) Sign |