

## LDB 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，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，有以下特點：

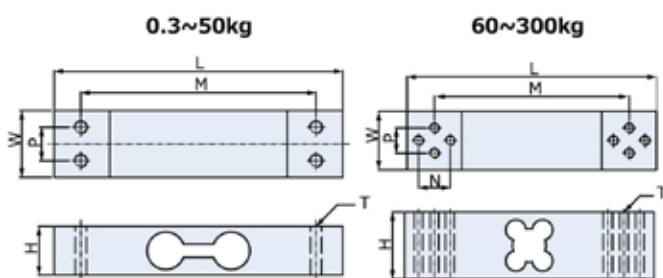
This load cell is a special design for platform weighing scale. The low - profile construction reduces weighing scale dimensions. Using high strength aluminum alloy as spring element. A silicon coating protects the sensor elements. It is suitable for using in platform scales or industrial weighting applications.



### ● 特點 Features

扁平式結構 Low profile                      低偏心誤差 Low Corner error  
 封膠保護 Silicon coating protection      防塵防水IP65 Waterproof and dustproof grade IP65  
 LDB - 0.3, 0.6, 1, 2, 3, 6, 10, 20, 35, 50, 60, 100, 200, 300 kg

### ● 安裝尺寸 Installation Dimensions



TYPE	L	M	N	W	P	H	T	Platform
LDB - 0.3 kg	70	58	---	15	7	22	M3x0.5	100 x 100
LDB - 0.6 kg								
LDB - 1 kg	70	58	---	15	7	22	M3x0.5	200 x 200
LDB - 2 kg								
LDB - 3 kg								
LDB - 3 kg	130	106	---	30	15	22	M6x1.0	250 x 250
LDB - 6 kg								
LDB - 10 kg								
LDB - 20 kg	130	106	---	30	15	22	M6x1.0	300 x 300
LDB - 35 kg								
LDB - 50 kg								
LDB - 60 kg	150	117	19	35	15	40	M6x1.0	400 x 400
LDB - 100 kg								
LDB - 200 kg								
LDB - 300 kg								

### ● 規格 Specification

額定輸出 Rated Output	2.0mV / V (LDB 0.3 ~ 1 : 1.0m V / V)
總和誤差 Total Error	±0.05%R.O.
重現性 Repeatability	±0.03%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 ± 5Ω
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	150%
導線長度 Cable Length	0.3kg ~ 2kg :0.3m , 3kg ~ 50kg :0.5m , 100kg-300kg :1.5m
接線方式 Cable Connection	Input : Red ( + ) Exci : Black ( - ) Exci Output : Green ( + ) Sign White ( - ) Sign