

LDB ONE POINT 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：

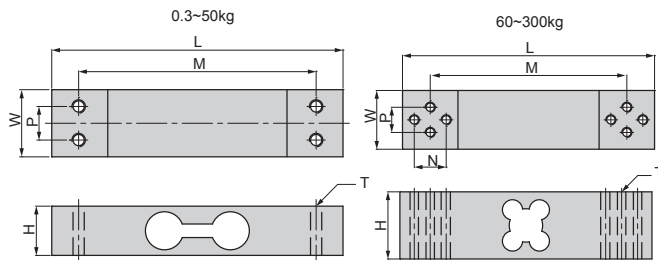
This Load cell is a special design for platform weighing scale. The low-profile construction reduces weighing scale dimensions. Using high strength aluminum alloy as spring element. A silicon coating protects the sensor elements. It is suitable for using in platform scales or industrial weighing applications.

特點 Features

- 扁平式結構 **Low profile**
- 封膠保護 **Silicon coating protection**
- 低偏心誤差 **Low Corner error**
- 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 kgf**



Installation Dimensions



TYPE	L	M	N	W	P	H	T	Platform
LDB-0.3	70	58	---	15	7	22	M3×0.5	100×100
LDB-0.6	70	58	---	15	7	22	M3×0.5	200×200
LDB-1	70	58	---	15	7	22	M3×0.5	250×250
LDB-2	70	58	---	15	7	22	M3×0.5	300×300
LDB-3	130	106	---	30	15	22	M6×1.0	400×400
LDB-6	130	106	---	30	15	22	M6×1.0	400×400
LDB-10	130	106	---	30	15	22	M6×1.0	400×400
LDB-20	130	106	---	30	15	22	M6×1.0	400×400
LDB-35	150	117	19	35	15	40	M6×1.0	400×400
LDB-50	150	117	19	35	15	40	M6×1.0	400×400
LDB-60	150	117	19	35	15	40	M6×1.0	400×400
LDB-100	150	117	19	35	15	40	M6×1.0	400×400
LDB-200	150	117	19	35	15	40	M6×1.0	400×400
LDB-300	150	117	19	35	15	40	M6×1.0	400×400

Specification

額定輸出 Rated Output	2.0mV/V(LDB 0.3~1 1.0mV/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 ± 25Ω
輸出阻抗 Output Resistance	350 ± 5Ω
最大輸入電壓 Max. Excitation Voltage	20V
建議輸入電壓 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 Overload 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