

# LCH LOAD CELL

LCH荷重元係專為直壓量測而設計之荷重元，採用圓柱形直壓式結構。體積小、剛性強、結構穩固、一體成形設計、簡潔美觀、堅固耐用。非常適合用於壓入式力量量測。

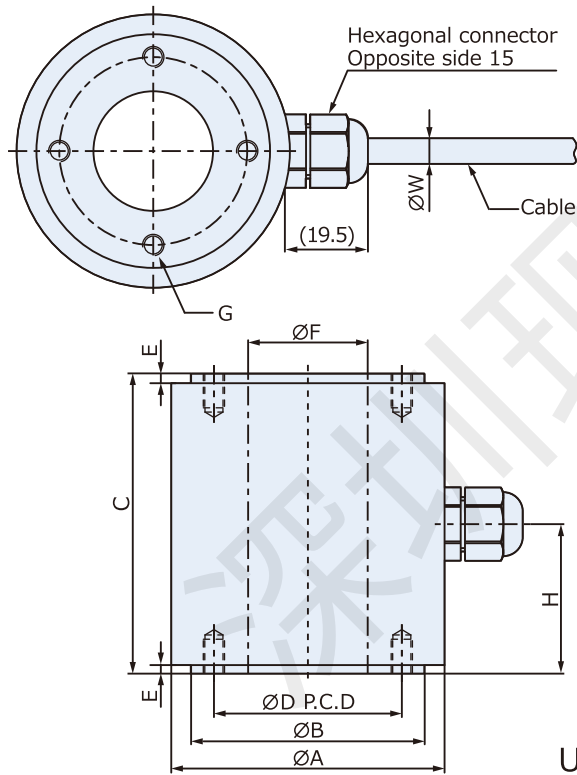
LCH Load Cell is a special design for press-in or press-out force measurement. Consisted of spherical construction, so it is small and rigid. In addition, contained one-part simple design, pretty shape, strong and durable. Good ideal for using in compressed force control.



## ■ 特點 Features

- 純壓式 Only compression
- 體積小 Small size
- 高剛性 Rigid
- 安裝容易 Easy installation
- LCH - 2, 3.5, 5, 10, 20, 30 kN  
50, 100, 200, 300, 500 kN

## ■ Installation Dimensions



## ■ Specification

|                                         |                                                                     |
|-----------------------------------------|---------------------------------------------------------------------|
| 額定輸出 Rated Output                       | 1.0mV/V                                                             |
| 總和誤差 Total Error                        | ±0.5%R.O.                                                           |
| 重現性 Repeatability                       | ±0.2%R.O.                                                           |
| 潛變 Creep                                | 0.05%/20min                                                         |
| 輸入阻抗 Input Resistance                   | 800 ± 50Ω                                                           |
| 輸出阻抗 Output Resistance                  | 700 ± 10Ω                                                           |
| 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 Over Load Rating              | 150%                                                                |
| 導線長度 Cable Length                       | 3m                                                                  |
| 接線方式 Cable Connection                   | Input:Red(+)Exci : Black(-)Exci<br>Output:Green(+)Sign White(-)Sign |

| TYPE                   | A   | B    | C   | D  | E | F  | H  | W | G                  |
|------------------------|-----|------|-----|----|---|----|----|---|--------------------|
| LCH-2 kN (203.9 kgf)   | 43  | 35   | 50  | 24 | 1 | 10 | 25 | 4 | (8)M4×0.7×8 deep   |
| LCH-3.5 kN (356.9 kgf) |     |      |     |    |   |    |    |   |                    |
| LCH-5 kN (509.9 kgf)   |     |      |     |    |   |    |    |   |                    |
| LCH-10 kN (1.020 tf)   | 64  | 54.7 | 70  | 44 | 2 | 18 | 35 | 6 | (8)M5×0.8×8 deep   |
| LCH-20 kN (2.039 tf)   |     |      |     |    |   |    |    |   |                    |
| LCH-30 kN (3.059 tf)   |     |      |     |    |   |    |    |   |                    |
| LCH-50 kN (5.099 tf)   |     |      |     |    |   |    |    |   |                    |
| LCH-100 kN (10.20 tf)  | 64  | 54.7 | 80  | 44 | 2 | 18 | 40 | 6 | (8)M5×0.8×8 deep   |
| LCH-200 kN (20.39 tf)  | 88  | 78   | 100 | 50 | 4 | 20 | 50 | 6 | (8)M8×1.25×12 deep |
| LCH-300 kN (30.59 tf)  | 100 | 88   | 120 | 70 | 4 | 20 | 60 | 6 | (8)M8×1.25×15 deep |
| LCH-500 kN (50.99 tf)  | 132 | 118  | 150 | 90 | 4 | 30 | 75 | 6 | (8)M10×1.5×18 deep |

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