

3DF TRI-AXIAL LOAD CELL

3DF 3軸向荷重元係高精度力量感測器，可同時量測 3 軸力量；使用應變規為感測元件，變形量小，精度高；所有感測電路均藏於金屬彈性體內，完全密封保護，不受外界干擾，穩定性高；使用藍芽無線信號傳輸技術，免除拉線的煩惱。

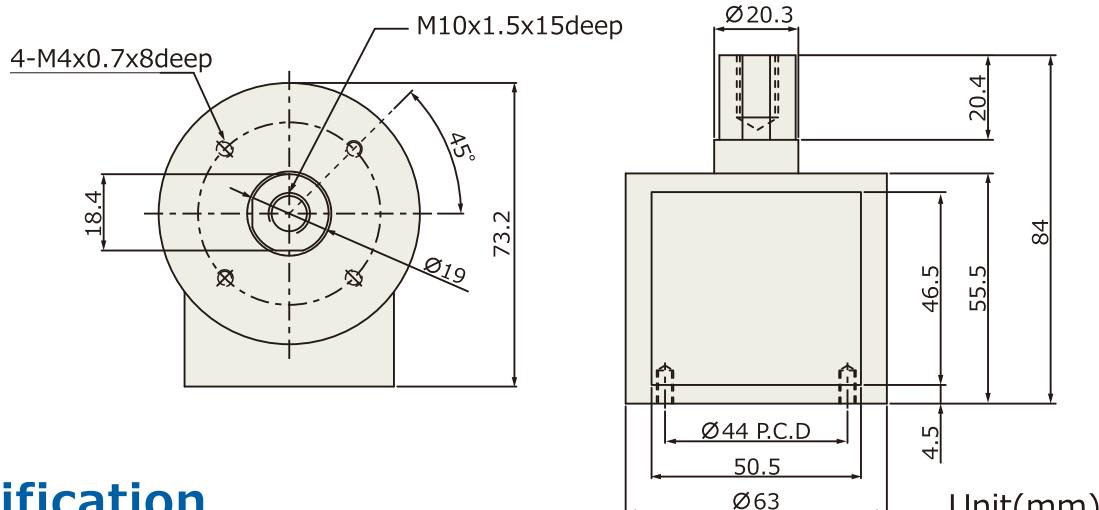
3DF Load cell is a precision and multi-axis product. It is compact and rigid, and the sensing element imbedded inside the structure and hermetically sealed. The Bluetooth data is transferred without wire, so it is ideally used to multi-axis force measurement.



■ 特點 Features

- 高 精 度 High accuracy
- 剛 性 強 Rigid
- 溫 度 補 償 Thermally compensated
- 整 體 密 封 保 護 Hermetically sealed
- Fx , Fy , Fz 3 軸 向 量 測 3 axis measurement

■ Installation Dimensions



■ Specification

額定輸出 Rated Output

3DF-20-B: Fx-20 ; Fy-20 ; Fz-50kg, 1.0mV/V
3DF-50-B: Fx-50 ; Fy-50 ; Fz-100kg, 1.0mV/V

解析度 Resolutions

1-10000

準確度 Accuracy

+/-0.5%R.O.

重現性 Repeatability

+/-0.3%

電源 Power

6VDC

溫度補償範圍 Compensated Temp. Range

-10°C~50°C

使用範圍 Safe Temp. Range

-20°C~80°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

藍芽傳輸距離 Bluetooth active range

5m

容許負荷 Safe Overload Rating

125%