

OKY3481-1

Product Name:DIY 50Kg Body Load Cell Weighing Sensor Resistance strain Half-bridge OriginalGN

Product Module: OKY3481-1

Description:

- *Rated load: 50kg.
- *Rated output: $1.0 \pm 0.1 \text{ mV/V}$.
- *Nonlinearity: 0.08 %F.S.
- *Hysteresis: 0.1 %F.S.
- *Repeatability: 0.05 %F.S.
- *Creep(5min): 0.05 %F.S.
- *Temperature Effect On Output: $0.02 \text{ %F.S/}^\circ\text{C}$.
- *Temperature Effect On Zero: $0.02 \text{ %F.S/}^\circ\text{C}$.
- *Zero balance: $\pm 0.1000 \text{ mV/V}$.
- *Input impedance: $1000 \pm 20\% \text{ ohm}$.
- *Output impedance: $1000 \pm 10\% \text{ ohm}$.
- *Insulation resistance: 2000 Mohm.
- *Safe Overload: 120 %F.S.
- *Ultimate Overload: 150 %F.S.
- *Operating temperature range: $-20-65^\circ\text{C}$.
- *Recommended Excitation Voltage: 5 VDC.
- *Maximum working voltage: 8VDC.
- *Level of protection: IP65.
- *Material: aluminium alloy.
- *Size: 34mm * 34mm.

Features:

The sensor use the following three methods:

- 1, using a sensor with external resistors full bridge measurement range of a sensor range: 50kg. Higher requirements for external resistor
- 2, the use of only two full-bridge sensors measuring range is the range of the two sensors and: $50\text{kg} \times 2 = 100\text{kg}$
- 3, the use of four full-bridge sensors measuring range is the range of four sensors and: $50\text{kg} \times 4 = 200\text{kg}$

Package includes:

1 x 50Kg Body Load Cell Weighing Sensor

