

SGDC

STRAIN GAGE DIGITAL CONDITIONER



NEW !

The SGDC loadcell amplifier that measures mV/V signals. 1 or 2 input channels options are available to simultaneously measure the 1 or 2 loadcell signals with a data rate up to 100 Hz. The sensor transmit the measurement on a CAN Bus either J1939 or NMEA2000.

It uses state of the art digital and analogue components to achieve exceptional sensitivity and stability, and high band width. It is also highly reliable and robust.

Features :

- 11-30Vdc supply voltage
- Low power consumption : 70mA supply current
- Up to 100 Hz sampling (up to 4800 Hz for special projects)
- 24 bit ADC
- Selectable 2.5V / 5V Strain gauge supply
- Durable black anodized aluminum housing
- IP 67 rating
- Dimensions (excluding connectors) : L60 x P60 x H22 mm
- Weight : 130g
- Standard M12 (NMEA2000) connectors
- Software upgradable via CAN bus
- Signal to noise ratio calculation
- CAN driver ISO 11898 compatible
- CAN interface (2.0A & B)

1 or 2 mV/V input channels
CAN bus J1939 or NMEA2000

High resolution

High precision / Stability

High reliability

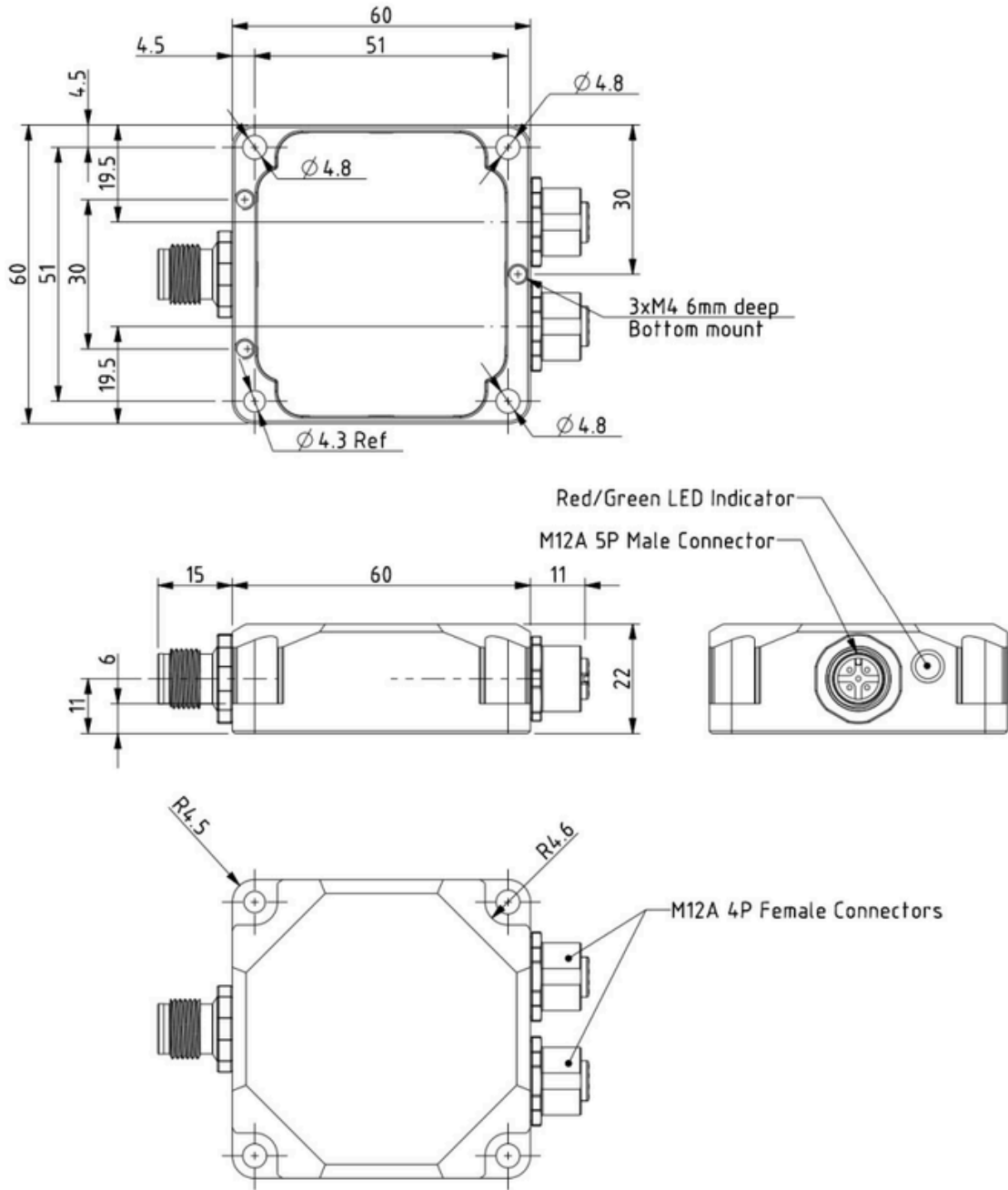
Low footprint

The SGDC is the best companion to your wired load cells for the most accurate and reliable measurement chain.



Ocean Data System
MARINE ELECTRONICS SOLUTIONS

Mechanical drawing:



References :

- SGDC-1-CAN : 1 input channel - CAN J1939 output
- SGDC-2-CAN : 2 input channels- CAN J1939 output
- SGDC-1-N2K : 1 input channel - NMEA2000 output
- SGDC-2-N2K : 2 input channels- NMEA2000 output



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