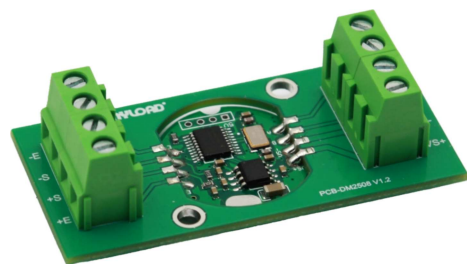
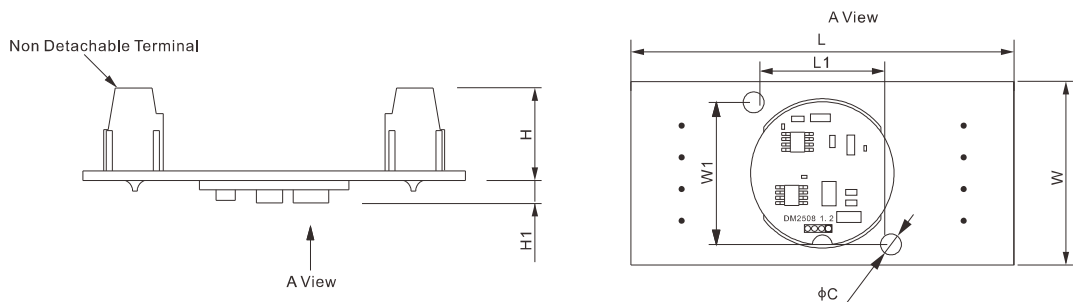


Digiboard, Digital Amplifier



Features:

- One input port, can connect directly to 1x350 Ω load cell, or max 4x350 Ω (or higher resistance) load cells through a junction box
- 24bit A/D Converter, high speed processor
- Internal digital filter and strong anti-interference ability
- Can perform up to 9 point linear calibration
- Applied to all kinds of strain gauge bridge-type load cell, such as, tension, compression, torque and so on
- Reverse polarity protection
- The chip is 24.6 mm in diameter and can be embedded within load cells, making the load cells have built-in analog signal amplification
- Software is used for calibration
- DGB-D Chips can be integrated into load cells for built-in digital signal conditioning/transmission (special order required)



DIMENSIONS

	C	H	H1	L	L1	W	W1
inches	0.14	0.61	0.16	2.52	0.91	1.21	0.94
mm	3.5	15.5	4.0	64.1	23.0	30.7	23.8

SPECIFICATIONS

Load Cell Type	All strain gage type	Output Signal	RS-232 (DGB-DM2507B)
Power Supply	9-24 V DC		RS-485 (DGB-DM2508B)
Power Consumption	0.36 W @12 V DC		CAN Bus (DGB-DC2508B)
Input Range	0.8-3.9 mV/V	Non-linearity	≤0.01%
Excitation voltage to load cell	5 V DC	Temperature Coefficient	≤100 ppm / °C
Working Temperature	-22°F - 122°F / -30°C - 50°C		

PART NUMBER

Part No.	Output Signal	Protocol	Weight Approx.(lb/kg)
DGB-DM2507B.....	RS-232.....	Modbus RTU.....	0.09/0.04
DGB-DM2508B.....	RS-485.....	Modbus RTU.....	0.09/0.04
DGB-DC2508B.....	CAN Bus.....	CANOpen.....	0.09/0.04

CONNECTION DIAGRAM

