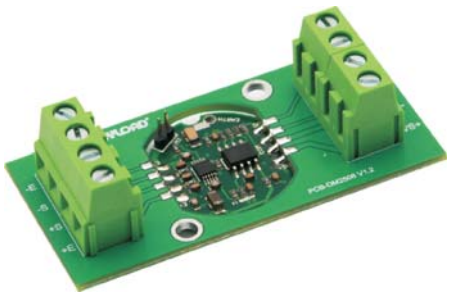
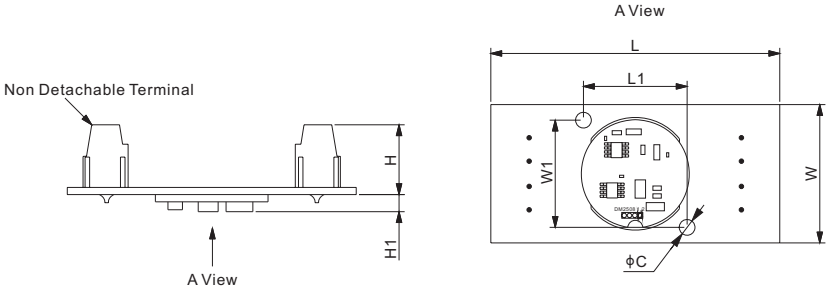
DGB-D

Digiboard, Digital Amplifier



Features:

- One input port, can connect directly to 1 x 350 Ω load cell or max 4 x 350 Ω (or higher resistance) load cells through a junction box
- 24 bit 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

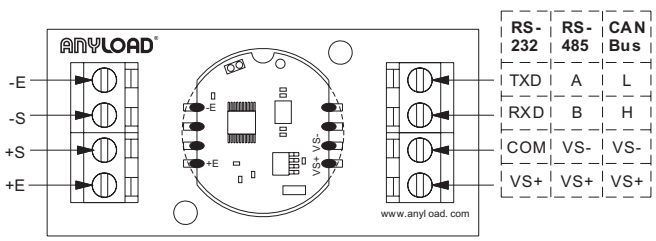
SPECIFICATIONS

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

PART NUMBER

Part No.	Output Signal	Protocol	Shipping 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



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