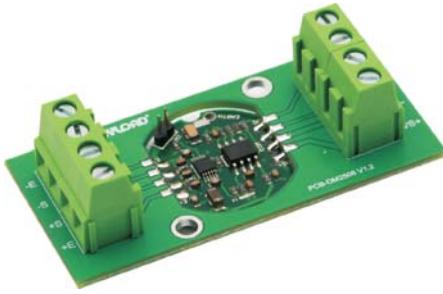
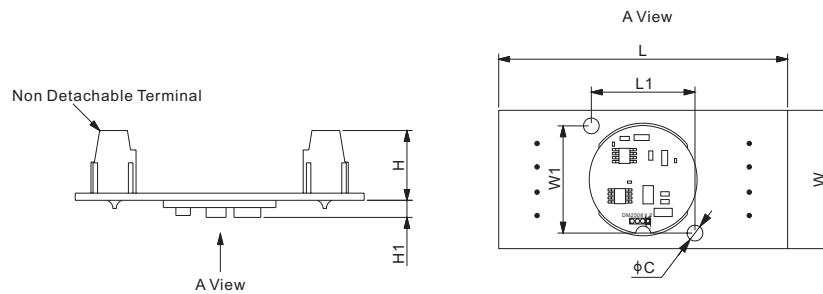


## Digiboard, Analogue Amplifier



## Features:

- One input port, can connect directly to 1 x 350  $\Omega$  load cell @ 12 V DC power, or 2 x 350  $\Omega$  load cells @ 24 V DC power
- Input range: 0.2 - 10.0 mV/V
- 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-A Chips can be embedded into load cells for built-in analog signal amplification (special order required)
- Designed for all strain gauge sensors including tension, compression, torque, and pressure load cells
- PC Software available for calibration, operations, and data acquisition



## 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

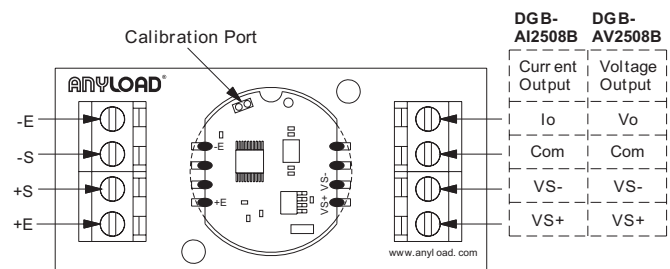
## SPECIFICATIONS

Load Cell Type	All strain gage type	Non-linearity	$\leq 0.02\%$
Power Supply And Consumption	12 - 24 V DC	Temperature Coefficient	$\leq 100 \text{ ppm} / ^\circ\text{C}$
Input Range	0.2 - 10.0 mV/V	Output Signal	0 - 20 mA; 4 - 20 mA (DGB-AI2508B); 0 - 5 V DC; 0 - 10 V DC; -5 - 5 V DC (DGB-AV2508B)
Working Temperature	-22 $^\circ\text{F}$ - 122 $^\circ\text{F}$ / -30 $^\circ\text{C}$ - 50 $^\circ\text{C}$		
Excitation Voltage To Load Cell	5 V DC		

## PART NUMBER

Part No.	Output Signal	Shipping Weight Approx. (lb/kg)
DGB-AI2508B.....	0 - 20; 4 - 20 mA.....	0.09/0.04
DGB-AV2508B.....	0 - 5; 0 - 10; -5 - 5 V DC.....	0.09/0.04

## CONNECTION DIAGRAM



# Product Datasheet Disclaimer

## Information Changes:

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