

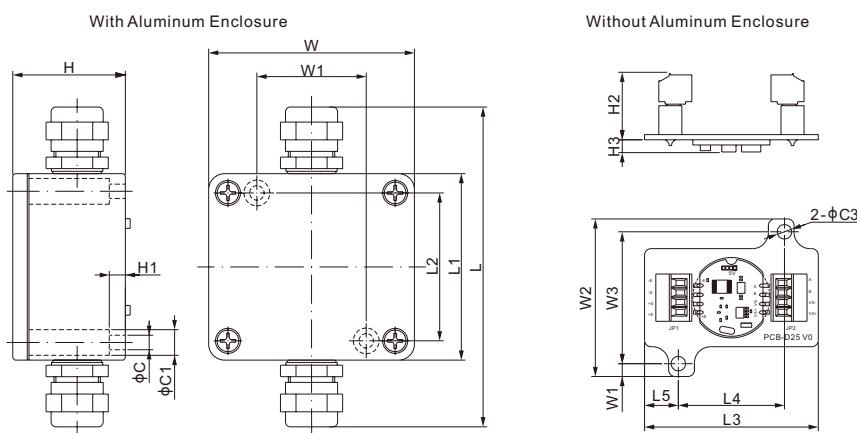
## Digital Amplifier, Aluminum Enclosure



**Caution:** Device is not hot-swap safe. Inrush current must be limited to  $\leq 50$  mA to prevent chip damage.

## Features:

- One input port, can connect directly to 1 x 350  $\Omega$  load cell, or max 4 x 350  $\Omega$  (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
- Contains ability for 9 point linear calibration
- Applied to all kinds of strain gauge bridge-type load cell, such as, tension, compression, torque and so on
- IP66 Rated (A1A-D25C)



## DIMENSIONS

	C	C1	H	H1	L	L1	L2	W	W1	C3	H2	H3	L3	L4	L5	W2	W3	W4
inches	0.18	0.33	1.38	0.20	3.94	2.28	1.81	2.52	1.34	0.18	0.83	0.16	2.13	1.30	0.41	1.93	1.61	0.16
mm	4.5	8.5	35.0	5.0	100.0	58.0	46.0	64.0	34.0	4.5	21.0	4.0	54.0	33.0	10.5	49.0	41.0	4.0

## SPECIFICATIONS

Load Cell Type	All strain gage type	Temperature Coefficient	$\leq 100$ ppm / $^{\circ}$ C
Power Supply	9 - 24 V DC	Non-linearity	$\leq 0.01\%$
Power Consumption	0.36 W @ 12 V DC	Resolution	>1000000
Input Range	-3.9 to +3.9 mV/V	Output Signal	RS-232 (A1A-DM2507C) RS-485 (A1A-DM2508C) CAN Bus (A1A-DC2508C)
Working Temperature	-22 $^{\circ}$ F - 122 $^{\circ}$ F / -30 $^{\circ}$ C - 50 $^{\circ}$ C		
Excitation Voltage To Load Cell	5 V DC		

## PART NUMBER

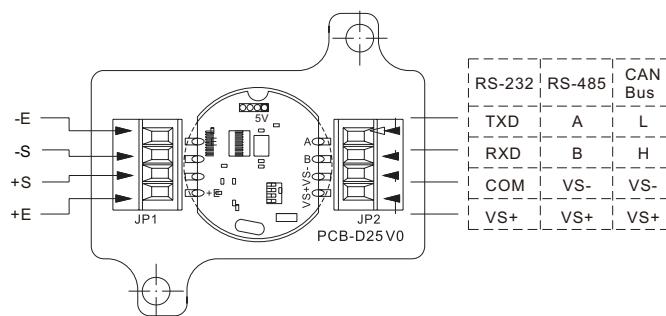
## CONNECTION DIAGRAM

## Without Aluminum Enclosure

Part No.	Output Signal	Protocol	Weight Approx.(kg)
DGB-DM2507C.....	RS-232.....	Modbus RTU.....	0.04
DGB-DM2508C.....	RS-485.....	Modbus RTU.....	0.04
DGB-DC2508C.....	CAN Bus.....	CANOpen.....	0.04
DGB-DC2508-J1939C.....	CAN Bus.....	CAN J1939.....	0.04

## With Aluminum Enclosure

Part No.	Output Signal	Protocol	Weight Approx.(kg)
A1A-DM2507C.....	RS-232.....	Modbus RTU.....	0.15
A1A-DM2508C.....	RS-485.....	Modbus RTU.....	0.15
A1A-DC2508C.....	CAN Bus.....	CANOpen.....	0.15
A1A-DC2508-J1939C.....	CAN Bus.....	CAN J1939.....	0.15



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