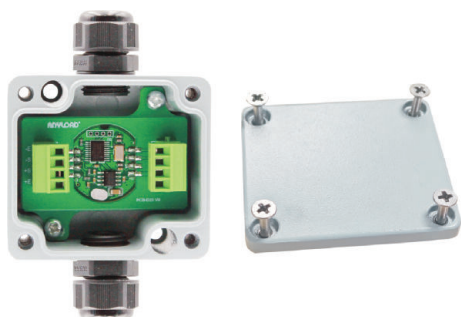


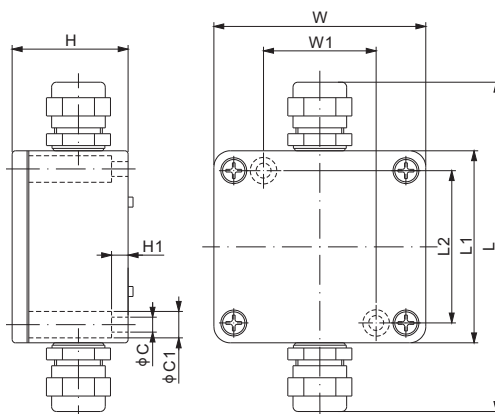
Digital Amplifier, Aluminum Enclosure



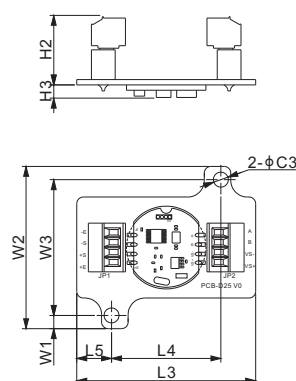
Features:

- Small volume and enable to mount inside of load cell
- 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
- 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

With Aluminum Enclosure



Without Aluminum Enclosure



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	Non-linearity	≤0.01%
Power Supply	9 - 24 V DC	Temperature Coefficient	≤100 ppm / °C
Power Consumption	0.36W @ 12 V DC	Resolution	>1000000
Input Range	0.8 - 3.9 mV/V	Output Signal	RS-232 (A1A-DM2507C)
Working Temperature	-22°F - 122°F / -30°C - 50°C		RS-485 (A1A-DM2508C)
Excitation Voltage To Load Cell	5 V DC		CAN Bus (A1A-DC2508C)

PART NUMBER

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

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

CONNECTION DIAGRAM

