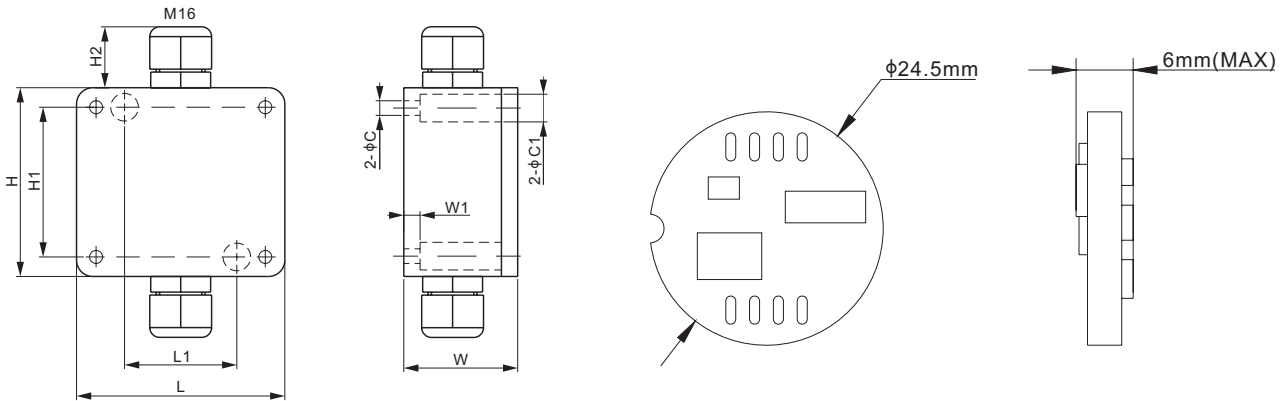


## Digital Amplifier, Aluminum Enclosure



### Features:

- Small volume and enable to mount inside of load cell
- One input port, can connect directly to 1 x 350Ω load cell, or max 4 x 350Ω (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



### DIMENSIONS

|        | C   | C1  | H   | H1  | H2  | L   | L1   | W   | W1  |
|--------|-----|-----|-----|-----|-----|-----|------|-----|-----|
| mm     | 4.5 | 8.5 | 58  | 46  | 18  | 64  | 34.5 | 35  | 5   |
| inches | 0.2 | 0.3 | 2.3 | 1.8 | 0.7 | 2.5 | 1.4  | 1.4 | 0.2 |

### SPECIFICATIONS

|                                 |         |                      |
|---------------------------------|---------|----------------------|
| Load Cell Type                  |         | All strain gage type |
| Power Supply                    | V DC    | 6~24                 |
| Input range                     | mV/V    | 0.8~3.9              |
| Output signal                   |         | RS232/RS485          |
| Communication protocol          |         | MODBUS               |
| Resolution                      |         | >1000000             |
| Temperature Coefficient         |         | better than 100ppm   |
| Operating temperature range     | °C / °F | -30 - 80 / -22 - 176 |
| Excitation voltage to load cell | V       | 5                    |

### PART NUMBER

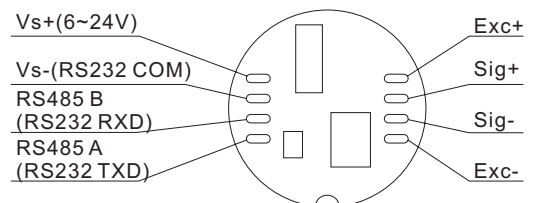
#### Digit board ONLY

| Part No.        | Interface  | Weight Approx. (kg) |
|-----------------|------------|---------------------|
| DGB-DM2507..... | RS232..... | 0.02                |
| DGB-DM2508..... | RS485..... | 0.02                |

#### With aluminum enclosure

| Part No.       | Interface  | Weight Approx. (kg) |
|----------------|------------|---------------------|
| A1A-D2507..... | RS232..... | 0.15                |
| A1A-D2508..... | RS485..... | 0.15                |

### CONNECTION DIAGRAM



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