

## Measuring amplifier GSV-6T3 CAN/M12

Item number: 15024



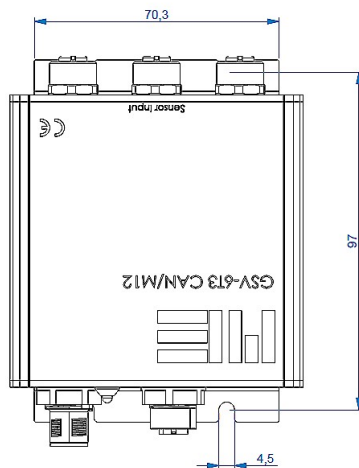
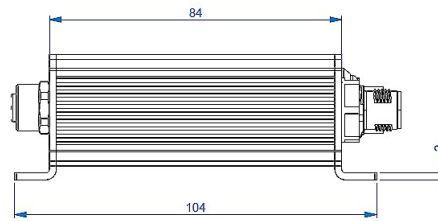
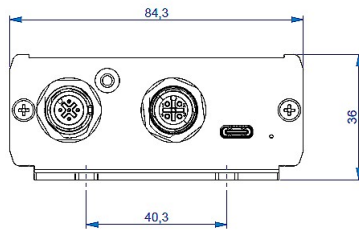
### Highlights

- 3 channels for connecting sensors with strain gauges
- configurable for active Sensors with voltage output
- USB interface for configuration and data acquisition
- CANbus
- 1kHz data frequency
- flange housing 104mm x 84mm x 36mm

The GSV-6T3 CAN/M12 measuring amplifier is a 3-channel measuring amplifier for strain gauges with a CAN interface and USB port.

Sensors with full-bridge strain gauges are connected via the 5-pin M12 sockets on the front. An M12 socket and an M12 plug are available on the back for connecting the CAN bus line. The GSV-6T3 CAN/M12 measuring amplifier is supplied with 10 V DC to 28 V DC via the CAN bus line. Alternatively, the GSV-6T3 CAN/M12 can be supplied with 5 V DC via the USB interface. Measurement data can be recorded both via the integrated USB port and via the CANbus using the GSVmulti software. The GSVmulti software allows measurement data to be read, recorded and visualized via the CANbus using a "PCAN-USB" converter. The measuring amplifier GSV-3CAN-T3 is factory-configurable for the connection of strain gauge quarter bridges 120 Ohm, 350 Ohm or 1kOhm in three-wire technology. Pin 5 of the M12 circular connector is configured by default for connecting active sensors with a voltage output. Pin 5 of channel 3 can also be factory-configured for connecting a PT1000 temperature sensor.

## Technical Drawing



## Technical Data

| Basic Data         |                | Unit |
|--------------------|----------------|------|
| Dimensions         | 104 x 84 x 36  | mm   |
| Housing            | Aluminium      |      |
| Connection         | Plug connector |      |
| Number of channels | 3-channel      |      |
| Schnittstelle      | USB, CAN       |      |

| Input analog                             |      | Unit |
|------------------------------------------|------|------|
| Number of analog inputs                  | 3    |      |
| Input sensitivity-steps                  | 2.0  | mV/V |
| Strain-gauge-full-bridge resistance from | 120  | Ohm  |
| Strain-gauge-full-bridge resistance to   | 5000 | Ohm  |

| Output analog |  | Unit |
|---------------|--|------|
|---------------|--|------|

| Accuracy data |  | Unit |
|---------------|--|------|
|---------------|--|------|

| Measuring frequency |      | Unit |
|---------------------|------|------|
| Data frequency from | 0    | Hz   |
| Data frequency to   | 1000 | Hz   |

| Supply                     |     | Unit |
|----------------------------|-----|------|
| Supply voltage from        | 10  | V    |
| Supply voltage to          | 28  | V    |
| Current consumption from   | 100 | mA   |
| Current consumption to     | 200 | mA   |
| Strain gauge bridge supply | 5   | V    |

| Interface                 |           | Unit |
|---------------------------|-----------|------|
| Type of the interface     | USB   CAN |      |
| Quantity of the interface | 1         |      |

| Environmental Data |  | Unit |
|--------------------|--|------|
|--------------------|--|------|