Measuring amplifier GSV-6T3 CAN/M12

Item number: 15024



Highlights

- 3 channels for connecting sensors with strain gauges on M12 socket
- configurable for active Sensors with voltage output
- optional PT1000 input available
- USB-C interface for configuration, supply and data acquisition with software GSVMulti
- CANbus
- 1kHz sample rate
- flange housing 104mm x 84mm x 36mm

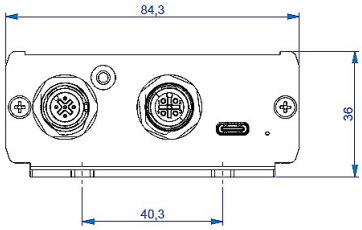
The GSV-6T3 CAN/M12 measuring amplifier is a 3-channel measuring amplifier for strain gauges with a CAN interface and USB-C port.
Sensors with full-bridge strain gauges are connected via the 5-pin M12 sockets on the front. An M12 socket and an M12 plug are available on the back for connecting the CAN 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-C interface.Measurement data can be recorded both via the integrated USB-C 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.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 configured at the factory for connecting a PT1000 temperature sensor.The measuring amplifier GSV-6T3 CAN/M12 is factory-configurable for the connection of strain gauge quarter bridges 120 Ohm, 350 Ohm or 1kOhm in three-wire technology.

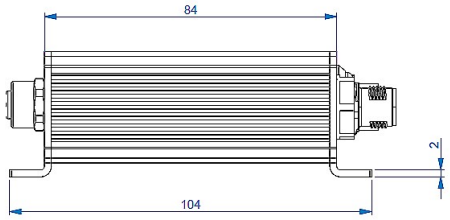
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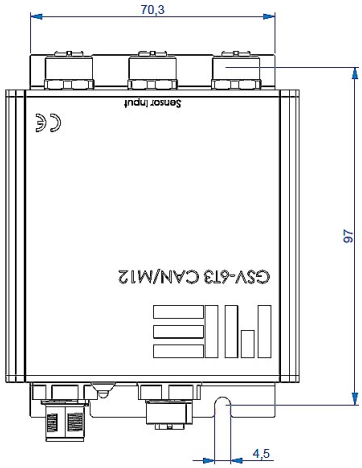
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Stand: 07.11.2026

Technical Drawing









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Technical Data

Basic Data		Unit
Dimensions	104 x 84 x 36	mm
Housing	Aluminium	
Connection	Plug connector	
Number of channels	3-channel	
Interface	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
Accuracy class	0,1%	
Relative linearity error	0.02	%
Temperature effect on the zero point	0.01	%
Temperature effect on the measuring sensitivity	0.01	%
Resolution	16	bit

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

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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	CAN | USB-C (2.0 Full Speed)	
Quantity of the interface	1	

Environmental Data		Unit
Rated temperature range from	0	°C
Rated temperature range to	50	°C
Operating temperature range from	-20	°C
Operating temperature range to	65	°C
Environmental protection	IP50	

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