Measuring amplifier GSV-6T3 CAN/SubD44HD

Item number: 16763



Highlights

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

The GSV-6T3 CAN/SubD44HD measuring amplifier is a 3-channel amplifier for strain gauges with a CAN interface and USB port.Sensors with strain gauge full bridges, e.g., K3D, K3A, are connected via the 44-pin SubD44HD connector on the front panel.On the rear panel, an M12 socket and an M12 plug are available for connecting the CAN bus cable. The GSV-6T3 CAN/SubD44HD measuring amplifier is powered via the CAN bus cable with 10 V DC to 28 V DC.Alternatively, measurement data can be transmitted via the USB-C port. In this case, the 5 V DC power supply is also provided via the USB interface.Measurement data can be recorded using the GSVmulti software, both via the integrated USB port and via the CAN bus. The GSVmulti software allows reading, recording, and visualizing measurement data via the CAN bus using a PCAN-to-USB converter.The GSV-6T3 CAN/SubD44HD measuring amplifier is factory-configurable for connecting 120-ohm, 350-ohm, or 1-kohm strain gauge quarter bridges in a three-wire configuration.Channel 3 can also be configured for connecting a PT1000 temperature sensor via a jumper in the connector.

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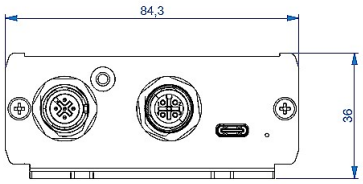
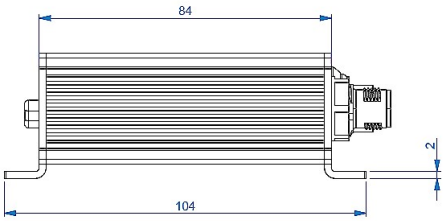
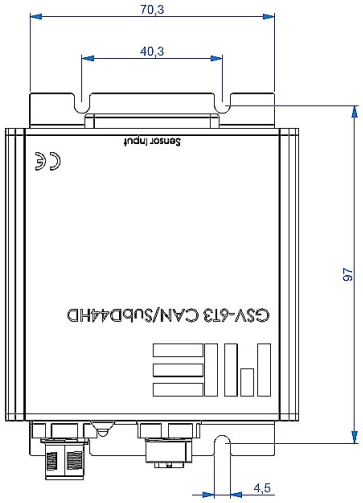
Stand: 26.03.2026

Technical Drawing









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Technical Data

Basic Data		Unit
Dimensions	104 x 84 x 36	mm³
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 | 4.0 | 1.0 | 8	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	150	mA
Strain gauge bridge supply	3	V

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

Environmental Data		Unit
Rated temperature range from	-10	°C
Rated temperature range to	65	°C
Operating temperature range from	-20	°C
Operating temperature range to	70	°C
Environmental protection	IP50	

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