Measuring amplifier GSV-6T3 CAN/SubD44HD

Item number: 16763



Highlights

- 3 channels for connecting sensors with strain gauges on SubD44HD port for 1D, 2D, 3D sensors
- configurable for active Sensors with voltage output
- USB-C interface for configuration, supply and data acquisition with software GSVMulti
- CANbus
- 1kHz data frequency
- flange housing 104mm x 84mm x 36mm

The GSV-6T3 CAN/SubD44HD measuring amplifier is a 3-channel strain gauge amplifier with a CAN interface and USB-C port.
Sensors with full-bridge strain gauges, e.g., K3D and K3A, are connected via the front-panel 44-pin SubD44HD connector.
An M12 socket and an M12 plug are available on the rear panel for connecting the CAN bus cable.The GSV-6T3 CAN/SubD44HD measuring amplifier is supplied with 10 V DC to 28 V DC via the CAN bus line. Alternatively, the GSV-6T3 CAN/SubD44HD can be supplied with via the USB-C interface.Measurement data can be recorded both via the integrated USB-C port and via the CAN bus using the GSVmulti software. The GSVmulti software allows reading, recording, and visualizing measurement data via the CAN bus using a "PCAN-USB" converter.Channel 3 can also be configured for the connection of a PT1000 temperature sensor via a jumper in the connector.The GSV-6T3 CAN/SubD44HD measuring amplifier is factory-configured for connection to quarter-bridge strain gauges with 120 ohms, 350 ohms, or 1 kOhms in three-wire technology.

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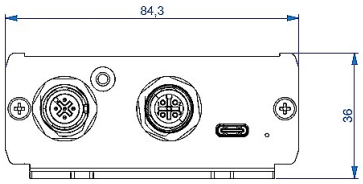
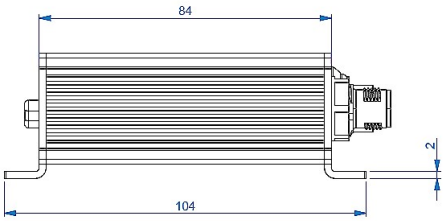
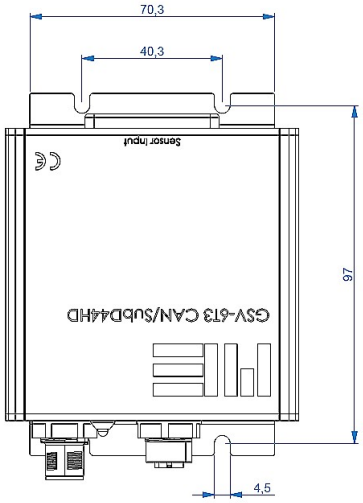
Stand: 19.11.2026

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-C (2.0 Full Speed) | 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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