Measuring amplifier GSV-6H6 CAN/SubD44HD

Item number: 9801



The GSV-6H6 CAN/SubD44HD measuring amplifier is a 6-channel measuring amplifier for strain gauges with a CAN interface, as well as with Ethernet and UART port 3.3V.

Sensors with full-bridge strain gauges are connected via the SubD44HD socket. The SubD44HD socket makes the GSV-6H6 suitable for connecting force/torque sensors.

The GSV-6H6 CAN/SubD44HD measuring amplifier is supplied with 9 V DC to 30 V DC via the connection block with spring terminals. The UART port 3.3V is suitable, for example, for connecting a UART-USB converter (available as an accessory) or for connecting a modem. The Ethernet port is configured as a "serial port client", but can be configured at the factory for other protocols. The supply and the DMS supply are galvanically isolated up to a voltage of 2.5 kV.

The recording of measurement data is possible both via USB port (accessory needed) and via the CANbus with the GSVmulti software. The GSVmulti software allows the reading, recording and visualization of measurement data via the CANbus with the help of a "PCAN-USB" converter (available as an accessory).

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Stand: 21.03.2026

Technical Data

Basic Data		Unit
Dimensions	100 x 75 x 36	mm³
Housing	Din rail	
Connection	Plug connector	
Connection type	SubD44HD	
Number of channels	6-channel	
Interface	Ethernet, CAN, UART 3.3V	

Input analog		Unit
Number of analog inputs	6	
input sensitivity-stepsless from	0.1	mV/V
input sensitivity-stepsless to	8	mV/V
Input resistance strain-gauge-half- /quarter-bridge	120	

Output analog	Unit

Accuracy data		Unit
Accuracy class	0,1%	
Temperature effect on the zero point	0.05	%FS/10°C
Temperature effect on the measuring sensitivity	0.01	%RD/10°C
Resolution	16	Bit ADC

Measuring frequency		Unit
Data frequency from	0	Hz
Data frequency to	400	Hz
Sampling frequency	50	kHz

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Supply		Unit
Supply voltage from	9	V
Supply voltage to	30	V
Current consumption to	200	mA
Strain gauge bridge supply	3	V

Interface		Unit
Type of the interface	CAN | Ethernet | UART | TEDS	
Quantity of the interface	4	

Zero Adjustment		Unit
Type	Software	
Tolerance	2	LSB
Time period	1	ms

Environmental Data		Unit
Rated temperature range from	0	°C
Rated temperature range to	60	°C
Environmental protection	IP20	

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