

GSV-2LS -5+5/250/2



Highlights

- Tare function via control cableRS232, RS485 or CAN/CANOpen

- Rosas, Rodas of Carly Carly Carly Carly analog output ±5V
 optionally 4...20mA output signal
 24 Bit, to 200.000 Digits display resolution
 extensive software support
- two threshold generators trigger input

Mail info@me-systeme.de



Description

The GSV-2 is considered the "classic" among industrial amplifiers for sensors with strain gauges. Highest EMC protection according to severity level 4 (EN61000-4-2, 61000-4-4, EN50082-2) and other standards,

IP66 housing and compactness are valued worldwide.

Optionally, there is the GSV with display, connectors or zero reset button and gain switching via relay contacts.

Tel +49 (0)3302 8982 4 10

Fax +49 (0)3302 8982 4 69

The measuring amplifier GSV-2 is used in process monitoring and weighing technology. Up to 2000 measured values per second can be transmitted via the serial interface RS232. He has excellent digital filters. Filtering or averaging of the transmitted measured values is not necessary. In addition, an analog output (0 ... 10V, or ± 5V or 4 ... 20mA) is available.

The digital output signal and the analogue output can be set to 0 via a digital control input. The adjustment range is 200% of the measuring range.

The measuring amplifier GSV-2 shows its advantages especially in connection with RS232, or RS485 or CANbus (CANopen). The analogue output can not be adjusted unlike the digital output. + -100% of the measuring range are mapped to + -5V.

The measuring range can be set to 3.5 mV / V or 2 mV / V by software, or 1 mV / V by a jumper.

For a low-cost amplifier in 24-bit technology, especially the measuring rate and the excellent software support are remarkable.

The comprehensive software package ME GSV Control is included in delivery.

The setting of the measuring amplifier with regard to measuring rate, switching thresholds or display is done either via control characters or via the software GSVmulti.

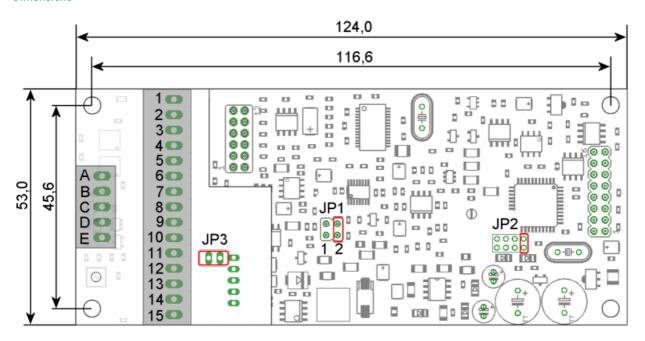
For software developers, a Windows DLL is available to integrate the functions.

Various functions, such as an automatic zero point adjustment and noise suppression are available.

The GSV-2 also has an analogue output. This analog output is characterized by fully analog signal processing. Therefore, the output signal is not scalable depending on the sensor signal. A zero setting function for the analog output is available. Only two variant can be set: 2mV/V at the input corresponds to 5V at the analog output, or 3.5 mV/V at the input corresponds to 5V at the analog output. Alternatively, devices with 10V analog output are also available (order option). The low-pass filter of the analog output adapts in 3 steps depending on the set data frequency: 2.5Hz, or 260Hz, or 1.7 kHz.



Dimensions



Tel +49 (0)3302 8982 4 10 Fax +49 (0)3302 8982 4 69



Technical Data

	Input	anal	oq
--	-------	------	----

Number of analog inputs	1	
Input sensitivity-steps	2.0 3.5	mV/V
Input voltage f	010	V
Input resistance-voltage	56	kOhm

Output analog

Number of analog outputs	1	
Voltage output f	-5 5 v	
Output resistance - voltage output	47 Ohm	

Measuring frequency

Data frequency f	0 1000	Hz
Limit frequency (analog)	1700	Hz

Supply

Supply voltage f	10 29	V
Current consumption f	100 120	mA
Strain gauge bridge supply	2.5 5	V

Interface

Type of the interface	rs232 rs422	
Quantity of the interface	2	

Zero adjustment

Туре	digital	
Tolerance	0.01	%
Debouncing time	4	ms
Trigger level f	3.4 29	V
Trigger edge	Level	

Environmental data

Rated temperature range f	-10 65 °C
Operating temperature range f	-40 85 °C
Environmental protection	IP66

Basic Data

Housing	PCB	
Connection	screw terminal	
Number of channels	1-Kanal	

Precision data

Accuracy class	0,1%

ME-Meßsysteme GmbH Eduard-Maurer-Str. 9 DE-16761 Hennigsdorf





Relative linearity error	0.2 %FS
Temperature effect on the zero point	0.2 %FS/10°C
Temperature effect on the measuring sensitivity	0.1 %RD/10°C
Resolution	24 Bit

Tel +49 (0)3302 8982 4 10 Fax +49 (0)3302 8982 4 69