

Measuring amplifier GSV-1L -5+5/250/2

Item number: 728



Highlights

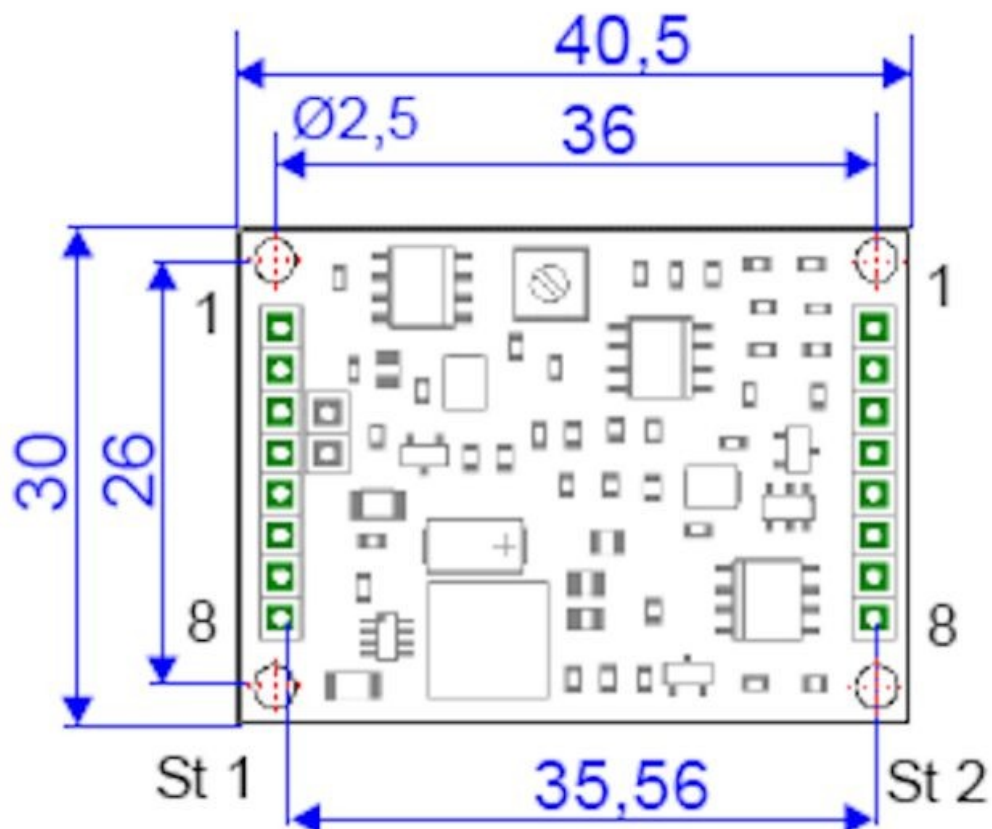
- Tare function via control cable
- 250 Hz Filter in the standard version
- 2,5 kHz or 10kHz Filter optionally
- ± 5 or ± 10 V output

The PCB GSV-1L measures voltages ± 5 V or ± 10 V. Due to its small dimensions of only 30mm x 40.5mm x 6.5mm the amplifier can be easily integrated as an add-on on larger PCB boards (Pin headers are integrated).

The high limiting frequency of 2.5kHz is suitable for the detection of static and dynamic signals from sensors with strain gauges.

The automatic automatic zero adjustment store settings permanently in the nonvolatile memory also by voltage interruption.

Technical Drawing



Technical Data

Basic Data		Unit
Dimensions	30 x 40,5 x 6,5	mm ³
Housing	Circuit board	
Connection	Soldering connection	
Number of channels	1-channel	
Schnittstelle	±5V, ±10V	
Functions	Tara	
bandbreite	250Hz, 2.5kHz	

Input analog		Unit
Input sensitivity-steps	2.0	mV/V

Output analog		Unit
Number of analog outputs	1	
Voltage output from	-5	V
Voltage output to	5	V
Output resistance - voltage output	47	Ohm

Accuracy data		Unit
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Measuring frequency		Unit
Limit frequency (analog)	250	Hz

Supply		Unit
Supply voltage from	10	V
Supply voltage to	28	V
Strain gauge bridge supply	5	V

Interface

Unit

Type of the interface

Analog

Zero Adjustment

Unit

Tolerance

5

mV

Time period

90

ms

Debouncing time

4

ms

Trigger level from

3.5

V

Trigger level to

30

V

Trigger edge

falling

Environmental Data

Unit

Mounting

Pin configuration

St 1		St 2	
1	-UD : negative differential input	1	+UB : voltage supply
2	+UD : positive differential input	2	GND : mass
3	+US : positive bridge supply	3	assigned internally
4	-US : negative bridge supply	4	assigned

	(GND)		internally
5	GND : mass	5	assigned internally
6	+UA : Analog output	6	assigned internally
7	+UB : voltage supply	7	assigned internally
8	T: control input zero balance	8	T: control input zero balance