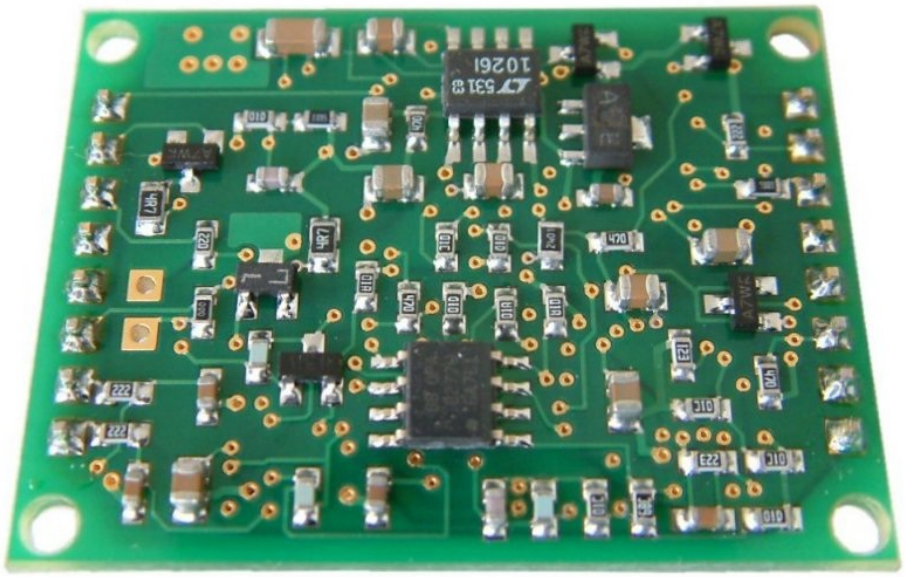
ME-Meßsysteme GmbH
Neuendorfstr. 18a
DE-16761 Hennigsdorf

Tel +49 (0)3302 8982 4 60
Fax +49 (0)3302 8982 4 69

Mail info@me-systeme.de
Web www.me-systeme.de

GSV-1L



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

ME-Meßsysteme GmbH
Neuendorfstr. 18a
DE-16761 Hennigsdorf

Tel +49 (0)3302 8982 4 60
Fax +49 (0)3302 8982 4 69

Mail info@me-systeme.de
Web www.me-systeme.de

Description

The PCB GSV-1L measures only 30mm x 40.5mm x 6.5mm and can be easily integrated as an addon on larger PCB boards (Pin headers are integrated).

The high limiting frequency of 250 Hz is suitable for the detection of static and dynamic signals from sensors with strain gauges.

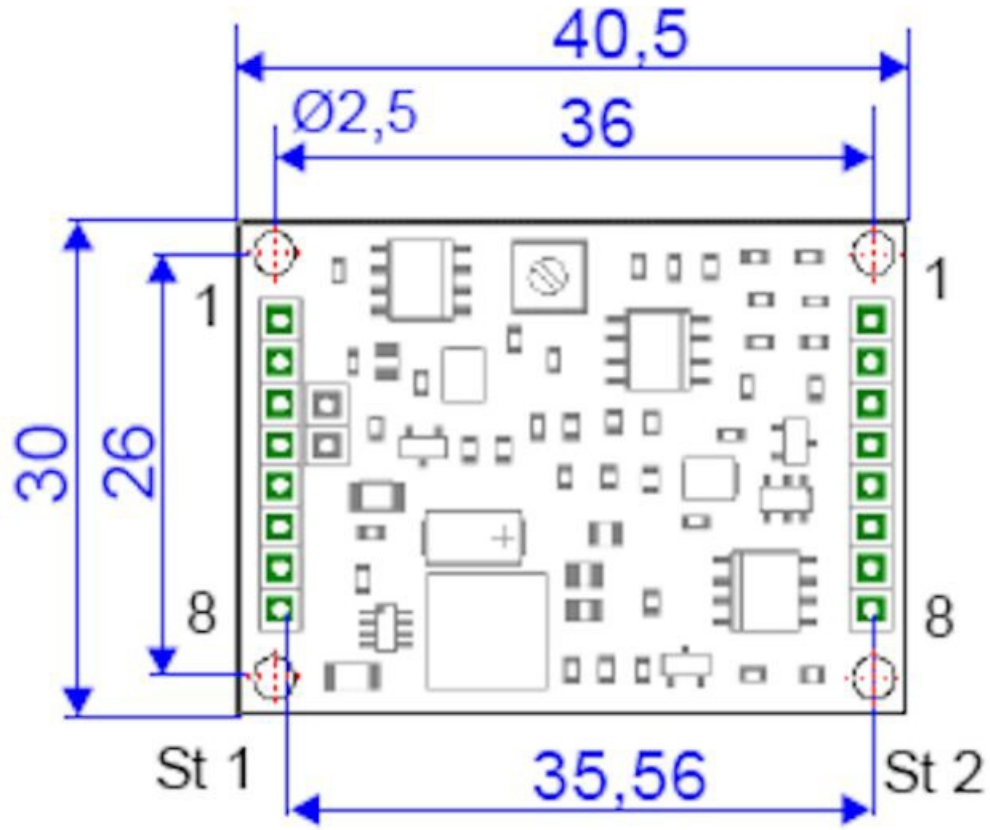
The automatic automatic zero adjustment store settings permanently in the nonvolatile memory also by voltage interruption.

ME-Meßsysteme GmbH
Neuendorfstr. 18a
DE-16761 Hennigsdorf

Tel +49 (0)3302 8982 4 60
Fax +49 (0)3302 8982 4 69

Mail info@me-systeme.de
Web www.me-systeme.de

Dimensions



ME-Meßsysteme GmbH
Neuendorfstr. 18a
DE-16761 Hennigsdorf

Tel +49 (0)3302 8982 4 60
Fax +49 (0)3302 8982 4 69

Mail info@me-systeme.de
Web www.me-systeme.de

Technical Data

Input analog		
Input sensitivity-steps	2.0	mV/V
Input resistance strain-gauge-full-/half-bridge	87 ... 5000	Ohm

Output analog		
Number of analog outputs	1	
Output resistance - voltage	47	Ohm

Supply		
Supply voltage f	10 ... 28	V
Strain gauge bridge supply	5	V

Interface		
Type of the interface	Analog	

Zero adjustment		
Tolerance	5	mV
Time period	90	ms
Debouncing time	4	ms
Trigger level f	3.5 ... 30	V
Trigger edge	falling	

Temperature		
Rated temperature range f	-10 ... 65	°C
Operating temperature range f	-40 ... 85	°C

Basis Data		
Housing	PCB	
Connection	Solder connection	
Number of channels	1-Kanal	

Precision		
Accuracy class	0,1%	
Relative linearity error	0.02	%FS
Temperature effect on the zero point	0.2	%FS/10°C
Temperature effect on the measuring sensitivity	0.1	%RD/10°C

ME-Meßsysteme GmbH
Neuendorfstr. 18a
DE-16761 Hennigsdorf

Tel +49 (0)3302 8982 4 60
Fax +49 (0)3302 8982 4 69

Mail info@me-systeme.de
Web www.me-systeme.de

Mounting

Pin configuration

St 1		St 2	
1	$-U_D$: negative differential input	1	$+U_B$: voltage supply
2	$+U_D$: positive differential input	2	GND : mass
3	$+U_S$: positive bridge supply	3	assigned internally
4	$-U_S$: negative bridge supply (GND)	4	assigned internally
5	GND : mass	5	assigned internally
6	$+U_A$: Analog output	6	assigned internally
7	$+U_B$: voltage supply	7	assigned internally
8	T: control input zero balance	8	T: control input zero balance

ME-Meßsysteme GmbH
Neuendorfstr. 18a
DE-16761 Hennigsdorf

Tel +49 (0)3302 8982 4 60
Fax +49 (0)3302 8982 4 69

Mail info@me-systeme.de
Web www.me-systeme.de

Orderoptions

Type	Description
GSV-1L ±5/250/2	Output -5...5 V, 250 Hz, input ±2 mV/V
GSV-1L ±5/2k5/2	Output -5...5 V, 2.5 kHz, input ±2 mV/V
GSV-1L 010/250/2	Output -10...10 V, 250 Hz, input ±2 mV/V
GSV-1L 010/2k5/2	Output -10...10 V, 2.5 kHz, input ±2 mV/V