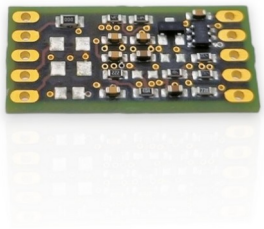
Measuring amplifier GSV-14L 03-1,5/1k/2

Item number: 5157



Highlights

- ideal for IoT / LoRaWAN / battery operation
  Operating voltage 3.4 V ... 10 V
  Current consumption 9 mA with 350 Ohm DMS, 3mA with 1000 Ohms Strain Gauge
  Digital input ShutDown
  Digital output "Error" if the minimum operating voltage is not reached

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Stand: 24.10.2026

Technical Data

Basic Data		Unit
Dimensions	27 x 13 x 4	mm³
Housing	Circuit board	
Connection	Soldering connection	
Number of channels	1-channel	
Interface	1.5V ±1.2V	
Functions	Shutdown	
bandbreite	1kHz	

Input analog		Unit
Input sensitivity-steps	2.0	mV/V

Output analog		Unit
Number of analog outputs	1	
Voltage output from	0.2	V
Voltage output to	3	V
Output resistance - voltage output	47	Ohm

Accuracy data		Unit
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

Measuring frequency		Unit
Limit frequency (analog)	1	kHz

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Supply		Unit
Supply voltage from	3.4	V
Supply voltage to	10	V
Strain gauge bridge supply	2.8	V

Interface		Unit
Type of the interface	Analog	

Zero Adjustment		Unit
Type	Fixed resistor	

Environmental Data		Unit
Rated temperature range from	-10	°C
Rated temperature range to	65	°C
Operating temperature range from	-40	°C
Operating temperature range to	85	°C

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