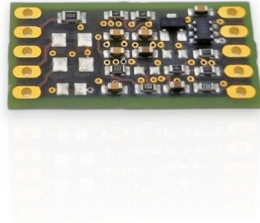


Measuring amplifier GSV-14L 03-1,5/1k/2

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

Technical Data

Basic Data		Unit
Dimensions	27 x 13 x 4	mm ³
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

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