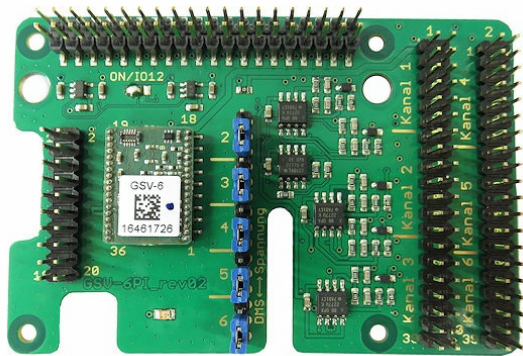


GSV-6PI Shield



Description

Technical Data

Input analog

Number of analog inputs	6
Input sensitivity-stepsless f	0.1 ... 8 mV/V
Input resistance strain-gauge-full-bridge	120 ... 5000 Ohm
Input resistance strain-gauge-half- /quarter-bridge	120 350 1000 Ohm
Input voltage f	1 ... 10 V

Measuring frequency

Data frequency f	10 ... 300 Hz
Sampling frequency	50 kHz

Supply

Supply voltage from	5 V
Current consumption from	80 mA
Strain gauge bridge supply	3 V

Interface

Type of the interface	uart
Quantity of the interface	1

Zero adjustment

Type	software
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Temperature

Rated temperature range f	0 ... 45 °C
Operating temperature range f	-20 ... 60 °C
Environmental protection	IP66

Basis Data

Dimensions	85 x 57 x 18 mm
Housing	PCB
Connection type	pin strip
Number of channels	6-channel

Precision

Accuracy class	0,1%
Temperature effect on the zero point	0.05 %FS/10°C
Temperature effect on the measuring sensitivity	0.01 %RD/10°C
Resolution	16 Bit