

GSV-2TSD-DI



Highlights

- Tare function via control cable
- RS232, RS485 or CAN/CANOpen
- analog output $\pm 5V$
- optionally 4...20mA output signal
- 24 Bit, to 200.000 Digits display resolution
- extensive software support
- two threshold generator
- trigger input

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Description

Technical Data

Basis Data

Housing	Desktop
Connection	Connector
Number of channels	1-Kanal

Input analog

Number of analog inputs	1
Input sensitivity-steps	3.5 mV/V
Input resistance strain-gauge-full-/half-bridge	87 ... 5000 Ohm
Input resistance strain-gauge-quarter-bridge	120 350 1000 Ohm
Input voltage to	10 V
Input resistance-voltage	56 kOhm

Precision

Accuracy class	0,05%
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
Resolution	24 Bit

Supply

Supply voltage f	10 ... 29 V
Current consumption to	180 mA
Strain gauge bridge supply	2.5 5 V

Interface

Type of the interface	rs232 rs422 usb
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Zero adjustment

Tolerance	0.01 %
Time period	1 ms
Debouncing time	4 ms
Trigger level f	3.4 ... 29 V
Trigger edge	Level

Temperature

Rated temperature range to	50 °C
Operating temperature range f	-20 ... 70 °C
Environmental protection	IP40

Measuring frequency

Data frequency f	1 ... 1000 Hz
Limit frequency (analog)	1700 Hz



Orderoptions

Type	Description
GSV-2TSD-DI -5+5/250/3,5	Output -5...5 V, 250 Hz, input ± 3.5 mV/V
GSV-2TSD-DI -5+5/250/3,5/CANOpen	Output -5...5 V, 250 Hz, input ± 3.5 mV/V, CANOpen
GSV-2TSD-DI -5+5/250/3,5/Ethernet	Output -5...5 V, 250 Hz, input ± 3.5 mV/V, Ethernet