



Description

The 6-channel measuring amplifier GSV-6ETH allows the connection of 1-axis, as well as 3- and 6-axis sensors on strain gauge base.

The measurement data is evaluated via the communication interfaces TEDS, UART, Ethernet and CANbus.

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

Measuring frequency

Data frequency f	0 ... 400 Hz
Sampling frequency	50 kHz

Supply

Supply voltage f	9 ... 24 V
Current consumption to	200 mA
Strain gauge bridge supply	3 V

Interface

Type of the interface	can ethernet uart teds
Quantity of the interface	4

Zero adjustment

Type	software
Tolerance	2 LSB
Time period	1 ms

Temperature

Rated temperature range f	0 ... 60 °C
Environmental protection	IP20


Basis Data

Dimensions	75x100x mm
Housing	top-hat rail
Connection	Connector
Connection type	SubD44HD
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 ADC

accessories

Description	Description
 USB 2.0 converter 83785	USB 2.0 TTL cable for connecting to PC and using GSVmulti software; Pinheader socket