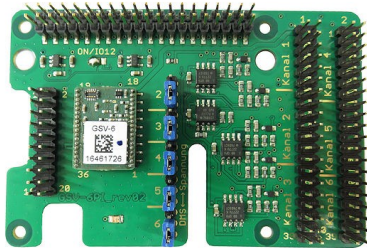


Measuring amplifier GSV-6PI Shield

Item number: 10033



Technical Data

| Basic Data | | Unit |
|--------------------|-----------------------|------|
| Dimensions | 85 mm x 57 mm x 18 mm | |
| Housing | Leiterplatte | |
| Connection type | Pin header | |
| Number of channels | 6-channel | |

| Input analog | | Unit |
|---|------------------|------|
| Number of analog inputs | 6 | |
| input sensitivity-stepsless from | 0.1 | mV/V |
| input sensitivity-stepsless to | 8 | mV/V |
| Input resistance strain-gauge-half- /quarter-bridge | 120 350 1000 | Ohm |
| Input voltage from | 1 | V |
| Input voltage to | 10 | V |

| Output analog | | Unit |
|---------------|--|------|
|---------------|--|------|

| Accuracy data | | Unit |
|---|------|----------|
| 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 |

| Measuring frequency | | Unit |
|---------------------|-----|------|
| Data frequency from | 10 | Hz |
| Data frequency to | 300 | Hz |
| Sampling frequency | 50 | kHz |

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

| Interface | | Unit |
|---------------------------|------|-------------|
| Type of the interface | UART | |
| Quantity of the interface | 1 | |

| Zero Adjustment | | Unit |
|------------------------|----------|-------------|
| Type | Software | |

| Environmental Data | | Unit |
|----------------------------------|------|-------------|
| Rated temperature range from | 0 | °C |
| Rated temperature range to | 45 | °C |
| Operating temperature range from | -20 | °C |
| Operating temperature range to | 60 | °C |
| Environmental protection | IP66 | |