



Application

- Signal conditioning for dynamic measurements with IEPE transducers for acceleration, force, pressure or IEPE microphones
- Multichannel systems
- Suitable for industry, laboratory and field due to compact design and wide supply voltage range

Properties

- Modular system
- Two plugs in the sidewall provide mechanical and power supply connection to the neighboring unit
- Mounting adapter for 35 mm DIN rails optionally available
- Rugged and compact aluminum case
- Sensor status LED indicates 3 conditions: OK, cable break and shorted sensor cable
- Powered by DC voltage via circular DIN 45323 connector or two 4 mm banana sockets at the sidewall
- Wide supply voltage range, also from USB voltage
- Insulation between signal ground and power supply voltage avoids grounding problems
- Flexible and economic

Technical Data

Measurement functions

| | | |
|------------------------------------|--|-------|
| Voltage gain | 1 | |
| Accuracy | ± 0.5 (>1 % of full scale) | % |
| Output noise | <0.003 (0.1 to 100000 Hz) | mVRMS |
| Lower frequency limit acceleration | 0.1 | Hz |
| Upper frequency limit acceleration | >100000 | Hz |
| Indication | Power LED | |
| | IEPE LED: OK; cable break; short circuit | |

Connectors

| | | |
|-----------------------|------------|----|
| Input channels | 1 | |
| Input signals | IEPE | |
| Input connector | BNC front | |
| IEPE constant current | 3.5 to 4.5 | mA |
| Output connector | BNC front | |

Power Supply

| | | |
|-------------------------|--|-----|
| External supply voltage | 5 to 28 | VDC |
| External supply current | <100 | mA |
| Supply connection | DIN 45323; 2 mm; side | |
| | 4 mm banana plug for inter-module connection; side | |

Case Data

| | | |
|-------------------------------|---|----|
| Dimensions without connectors | 40 x 55 x 45 (W x H x D) | mm |
| Case material | Aluminum, hard anodized | |
| Weight | 100 | g |
| Operating temperature range | -40 to 55 (95 % rel. humidity without condensation) | °C |

Optional accessories PS1600 Mains plug adapter for up to 10 M29; 115/230 VAC; 12 VDD; <1600 mA
DIN rail adapter M29/33DIN

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