



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