

PA 1000

Single channel ICP® signal conditioner



DESCRIPTION

PA 1000 is a single channel, portable conditioner for ICP® signal with built-in battery pack. The conditioner is equipped with 2.4mA/24V power supply for IEPE (ICP®) sensors, and with a special input circuit for gaining optimal transitional performance.

There are three LED indicators on the control panel, showing as follows:

- Measurement path shorting and opening
- Power On/Off
- Battery Low

The conditioner features low noise level, wide dynamic range, as well as stable operational parameters, which allows the system to work even with very demanding measurement applications.

PARAMETERS

Number of channels (in/out)	1/1
Input type	ICP® (2.4 mA/ 24 V)
Signaling	Open/Short, Battery low, on/off
Input impedance	100 k Ω
Output impedance	100 Ω
Gain	x1 (0 dB)
Gain error	< 0.1 %
Gain drift	< 10 ppm/°C
SNR	>90 dB (10 Hz-22 KHz)
Frequency response	0.2 Hz do 100 kHz
Distortions	< 0.05 %
Output voltage range	20 V _{pp}
Offset error	< 10 mV
Battery	4 x AAA
Power supply	9 V DC
Dimensions	60 x 100 x 30 mm
Weight	225 g
Operational temperature	0 do +60°C
Storage temperature	-10°C do +70°C (excluding batteries)

SET INCLUDES:

- PA 1000 conditioner
- BNC-BNC cable
- battery pack (4 pcs.)
- user manual
- casing