

# VIBAMP

Conditioning and measurement

## PA-8000D



Multifunction 8-channel  
signal conditioner

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## Conditioning and measurement

VIBAMP - PA-8000D device is a portable signal conditioner.

It can be used for ICP® sensors or voltage signals.

Graphic display shows all settings and open/short or overload input signal status.

The integrated rechargeable battery ensures long operational time. The unit allows simultaneous charging and operation.

All settings can be set via PC using RS232 interface.

The low noise, wide dynamic range on/off ICP® Power makes PA-8000D a multifunction device.



The PA-8000D is equipped with the following:

- durable aluminium housing
- dust and moisture proof
- membrane keyboard
- graphic display

<b>Input/Output channels</b>	8/8
<b>Input type</b>	ICP® (IEPE) 2.4 mA/24V SMB connector with improved settling characteristics
<b>Indicators</b>	input open and short & overload per channel
<b>Display</b>	ICP Power on/off
<b>Input impedance</b>	100 kOhm AC-coupled
<b>Output impedance</b>	100 Ohm
<b>Input gain</b>	1, 10, 100 (0 dB, 20 dB, 40 dB)
<b>SNR</b>	>90 dB (10 Hz - 22 kHz)
<b>Distortion</b>	<0.1%
<b>Gain error</b>	<0.5%
<b>Gain drift</b>	<50 ppm/°C
<b>Output range</b>	max 20 Vpp
<b>Offset error</b>	<10 mV on output (DC-coupled)
<b>Battery</b>	NiMH with internal charging, duration approx. 10 h
<b>Control interface</b>	RS232 using 3.5 mm jack to sub-D cable
<b>Power supply</b>	12 V / 500 mA DC
<b>Housing</b>	extruded aluminium, membrane keypad, display
<b>Dimensions</b>	196 mm x 110 mm x 45 mm
<b>Weight</b>	aprox. 350 g
<b>Operating temperature</b>	0 °C - 50 °C
<b>Storage temp</b>	-10 °C - 60 °C

AC/DC adapter is supplied with the unit SMB to BNC and RS232 cable optionally

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