

Rack mountable signal conditioners

PR710 series

SPECIFICATIONS

Input:		
Voltage to transducer		24 VDC
Current to transducer		4 mA
Maximum input voltage (gain = 1)		6.5 V rms
Output impedance		50 Ω
Recommended load impedance		>50 k Ω
Maximum output voltage		6.5 V rms
Noise, RTI 2.5 to 25 kHz:	PR710A	<20 μ V rms
	PR710B	<5 μ V rms
Spectral noise, input, nominal (dB/$\sqrt{\text{Hz}}$):		
	2 Hz	-140
	10 Hz	-150
	100 Hz	-150
Channels		10
Gain		1, 10, or 100
Gain accuracy		± 0.2 dB
Frequency response:	None, < -3 dB	0.05 - 45,000 Hz
	Filter, -3 dB	0.05 - 1,000 Hz
	Velocity, -3 dB	1.0 - 20,000 Hz
Amplitude nonlinearity		<1%
Total harmonic distortion		<1%
Channel separation		>60 dB
Voltage, min.		28 - 30 VDC
Current, max		500 mA
Temperature range		0° to +55°C
Relative humidity, non-condensing		5% - 95%
Usable altitude limit		2,000 meters
Dimensions (W x H x D)		19 x 5.22 x 3.7 inches
Signal input connector:	PR710A	isolated BNC
	PR710B	twin axial BNC
Signal output connector		isolated BNC

Accessories supplied: Power supply 47-63 Hz, 100-250 VAC

Options: Custom gain, filters and bench mount stand

Key features

- PR710A powers IEPE accelerometers, PR710B powers the 731 seismic sensor
- Selectable gain of x1, x10 or x100
- Continuous fault monitoring of each channel
- Selectable filtering
- Manufactured in ISO 9001 facility

Note: Due to continuous process improvement, specifications are subject to change without notice.
This document is cleared for public release.

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