

Model BPM-832 Pressure Monitor

High-performance, 2-channel transducer amplifier



The BPM-832 Pressure Monitor provides two independent amplifiers for use with bridge-type transducers, including pressure, force, and acceleration. Each channel includes a high-gain preamplifier, low-pass filtering, adjustable DC balancing, and a digital readout.

The wide gain range of the BPM-832 and its excellent DC stability make it the perfect choice for interfacing most bridge-type transducers. The digital display can be calibrated in real-world units, such as mmHg, for convenient monitoring. Corresponding analog outputs are provided for each channel for external recording.

A variety of transducers is available from CWE, Inc.

These include blood-pressure transducers, airway pressure transducers, sensitive differential transducers for measuring airflow with a pneumotach, and force transducers. The input connectors are compatible with all CWE and Grass Instruments® pressure and force transducers. Adapter cables are available for most commercial transducers as well.

The BPM-832 is powered by a regulated, wall-mount power supply with all international approvals, including the CE mark.

The BPM-832 provides a compact, economical solution for most transducer interfacing applications.

Specifications:

Overall gain range	.....	.0 - 1000X
Excitation voltage	.....	5.00VDC standard (adjustable to 4.0 - 10.0VDC)
Balance ranges	.....	$\pm 10\text{mV}$, $\pm 100\text{mV}$, $\pm 500\text{mV}$, jumper selectable
Low-pass filters	.....	.0.1Hz (mean), 10, 50, 100, 500, and 5000Hz
Input connectors	.....	.ITT Canon WK6-32S, 6-pin shielded
Output connectors	.....	.BNC jacks
Digital readouts	.....	.LCD, ± 1999 , arbitrary units
Power supply	.....	$\pm 12\text{VDC}$ regulated
Power requirements	.....	.120/240VAC
Dimensions	.....	.9.4W x 2.5H x 8 inches (24 x 6.4 x 20.5 cm)

Ordering Information:

Part No.	Model	Description	Applications
08-12000	BPM-832	Two-channel Pressure Monitor	Pressure, force, acceleration transducer conditioning
10-04010	TXRR	Medical blood-pressure transducer	Direct blood-pressure monitoring
10-04110	TXRR-10	Sterile pack of ten TXRR transducers	
10-04210	TC-GRA	Adapter cable for above transducers	Required for use with TXRR transducer
10-04010	PS-1000/A-1	Pressure transducer, $\pm 70\text{cmH}_2\text{O}$ for air use	Airway pressure monitoring
10-04011	PS-1000/A-004	Sensitive differential transducer, $\pm 10\text{cmH}_2\text{O}$	Airflow monitoring with pneumotach
10-04300	FT-03	Isometric force transducer, 1mg - 2kg	Force measurement
10-04031	HR-8431B	Pneumotach, rodent size	Airflow measurement



CWE, Inc. 124 Sibley Avenue, Ardmore, PA 19003 U.S.A.

800-642-7719 (610-642-7719 in PA) FAX 610-642-1532 www.cwe-inc.com