Pressure Transducer Simulator

- Troubleshoot Setup • Demonstrate
- Simulates 23 calibrated levels from -300 to +300 mmHg.
- Accurate within 0.1% of setting ±0.5 mmHg.
- Simulate 5 and 40 microvolt pressure transducers.

The BP-48C Pressure Transducer Simulator is used

to setup, demonstrate and troubleshoot pressure

monitors. When substituted for a pressure transducer

and a manometer, it provides stable and accurate levels

for setup and testing of the monitor. It can be used to

quickly determine whether measurement problems are

The simulator is designed for biomedical engineers,

technicians, manufacturers and service organizations. It

is also useful for training nursing and other health care

professionals in the correct setup and operation of

pressure monitors, and in the steps required to identify

The BP-48C contains a precision, thermally stable, bridge that simulates the electrical characteristics of

Fogg System Company provides Cables for

connecting the BP-48C to over 500 models of pressure

monitors, amplifiers, and recording systems.

pressure transducers and provides 23 pressure levels

caused by the transducer or the monitor.

- Cables are available to connect the Transducer Simulator to • most pressure monitors, amplifiers and recording systems.
- Certificate of Conformance traceable to NIST is available.

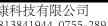
Bridge Resistance: 350 Ω , ±1%. Excitation Voltage: Up to 12 Volts, ac or dc, supplied by pressure monitor. Operating Temperature range: 10 to 50°C. Output Sensitivity factor: 5 and 40 µV/V/mmHg, switch selectable. Polarity: ZERO, POS (+) and NEG (-), switch selectable. Simulated Pressures: ZERO and ±10, 15, 20, 25, 30, 50, 100, 150, 200, 250 and 300 mmHg. Simulated Pressure Accuracy: ±0.1% of setting ±0.5 mmHg, at 25°C. Output Offset at ZERO: Less than ± 0.5 mmHg, or $\pm 2.5 \mu V/V$. Thermal Sensitivity Shift: Less than ±0.1 mmHg/°F. Thermal ZERO Shift: Less than ±0.05 mmHg/°F. Output Connector: MS3102A-14S-6P (Mates with MS3106A-14S-6S). Power Requirements: Excitation for Transducer Simulator is supplied by pressure monitor. Size: 3.6"W x 5.75"H x 1.8"D, including knob. Weight: 7 Ounces net (0.20Kg), 1.5 pounds shipping (0.68Kg).

ORDERING INFORMATION

The Simulator requires a Cable (ordered separately) that connects it to the Pressure measuring instrument. Each Simulator is supplied with a User Manual. A Certificate of Conformance traceable to NIST is available.

defective transducers.

from -300 to +300 mmHg.



PRESSURE, mmHg FRANSDUCER SIMULATOR **BP-48C** Technical Information

OUTPUT POLARITY ZERC NEG

BP-48C





