

For Immediate Release

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New Phantom Powered Preamplifier

Quality measurements, versatile design for the audio market

April 27, 2017, Depew, NY - A new, patent pending, universal preamplifier from PCB Piezotronics, Inc. reduces project costs by allowing users to interchange multiple test microphone cartridges to meet unique testing requirements. Model 426A14 adapts to any IEC 61094-4 compliant, prepolarized microphone for use in loudspeaker design, microphone and amplifier modeling, and live sound or high definition recording applications.

The preamplifier may be purchased as a standalone or as a system when paired with any of PCB's prepolarized microphone cartridges. All mated pair systems come with accredited calibration certificates.

With this flexibility, speaker manufacturers can analyze lower amplitudes down to 15.5 dBA with a ½" test and measurement grade cartridge. A quick switch to a ¼" cartridge provides the capability to quantify transients and perform other types of measurements across a wide frequency range from 4 Hz to 100 kHz. The fast response time of this microphone system is used to improve sound quality. With 1% Total Harmonic Distortion (THD) at 156 dB SPL, PCB's ¼" cartridges provide increased sound intelligibility at high volume levels, a key quality metric for loud speaker design. Microphones from PCB[®] have a proprietary metal alloy diaphragm which provides superior stability and accuracy under changing temperature, humidity, and static pressure conditions as compared to low cost, electret microphones with plastic diaphragms.

This phantom powered preamplifier and microphone system is available for immediate shipment. For additional information, visit www.pcb.com/phantom-power or contact Mark Valentino, PCB[®] Product Marketing Manager, at (800) 828-8840, x-2134 or mvalentino@pcb.com.



Phantom powered preamplifier, Model 426A14, shown with PCB Piezotronics Inc. microphones



MTS SYSTEMS CORPORATION

PCB Piezotronics Inc.

PCB Piezotronics Inc. is a designer and manufacturer of microphones, vibration, pressure, force, torque, load, and strain sensors, as well as the pioneer of ICP[®] technology. This instrumentation is used by design engineers and predictive maintenance professionals worldwide for test, measurement, monitoring, and control requirements in automotive, aerospace, industrial, R&D, military, educational, commercial, OEM applications, and more. Our Platinum Stock Sensors program ensures same day shipment of over 10,000 sensors that are covered by lifetime warranty. With a worldwide support team of Field Sales, Application Engineers, and Customer Service Representatives, PCB[®] proudly stands behind their products with the services you value most, including a 24-hour SensorLineSM a global distribution network, and the industry's only commitment to Total Customer Satisfaction. Visit www.pcb.com for more information.

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