



BLAST PRESSURE SENSOR KITS

Measurable savings on our most popular sensors and accessories





Save time and money with our predefined kits* of the most commonly used pressure sensors and accessories for blast applications.

With these kits, monitor your tests on your schedule and have inventory on hand when needed. The kits are ideal for air blast testing and other dynamic pressure applications.

*For U.S. customers only. For orders outside the U.S., please contact your local representative.





PENCIL PROBE KITS

The pencil probe measures shock waves caused from explosions in air. Such explosions are found in the industries of defense and mining, or wherever explosives research is conducted.

New to the 137B series are 2-channel probes that provide an easy way to capture shock speed close to the explosion. A 2-channel cable is supplied with each dual channel pencil probe (137B25). “Placebo” transducers enable data validation to be accomplished. The placebo transducer responds only to extraneous environmental factors.

PRODUCTS INCLUDED:

Model 137B21B

Quartz, free-field, ICP® blast pressure pencil probe, 1000 psi, 1 mV/psi, BNC connector, single channel probe

Model 137B22B

Quartz, free-field, ICP® blast pressure pencil probe, 500 psi, 10 mV/psi, BNC connector, single channel probe

Model 137B23B

Quartz, free-field, ICP® blast pressure pencil probe, 50 psi, 100 mV/psi, BNC connector, single channel probe

Model 137B24B

Quartz, free-field, ICP® blast pressure pencil probe, 250 psi, 20 mV/psi, BNC connector, single channel probe

Model 137B25

Quartz, free-field, ICP® blast pressure pencil probe, 50 psi, 100 mV/psi, 4-pin connector, double channel probe

Model 137BPBO

Quartz, free-field, ICP® blast pressure pencil probe placebo version of 137B23B, BNC jack connector

Model 137B32

Quartz, free-field, ICP® blast pressure pencil probe, front sensor is 250 psi, 20 mV/psi, rear sensor is a placebo, 4-pin connector

Model 010AY005QM

Dual Output Cable

Single Channel
Pencil Probe



137B25
Dual Channel
Pencil Probe



Dual Output
Cable



SENSOR KIT	DESCRIPTION	MODEL NUMBER		
100A21	Pencil Probes with Placebo	(3) 137B21B	(1) 137BPBO	-
100A22	Pencil Probes with Placebo	(3) 137B22B	(1) 137BPBO	-
100A23	Pencil Probes with Placebo	(3) 137B23B	(1) 137BPBO	-
100A24	Pencil Probes with Placebo	(3) 137B24B	(1) 137BPBO	-
100A25	2-channel Pencil Probes with Placebo	(3) 137B25	(1) 137B32	(4) 010AY005QM



GENERAL PURPOSE PRESSURE SENSOR KITS

PCB's dynamic pressure sensors set the standard for extremely fast, micro-second response with a wide amplitude and frequency range. Applications include combustion studies, explosive component testing (e.g. detonators, explosive bolts), cavitation, and measurement of air blast shock waves.

A plastic mounting adaptor is included with each general purpose 113B series pressure sensor for electrical isolation.

PRODUCTS INCLUDED:

Model 113B21

High frequency ICP® pressure sensor, 200 psi, 25 mV/psi, 0.218" dia. diaphragm, acceleration compensated

Model 113B26

High frequency ICP® pressure sensor, 500 psi, 10 mV/psi, 0.218" dia. diaphragm, acceleration compensated

Model 113B27

High frequency ICP® pressure sensor, 100 psi, 50 mV/psi, 0.218" dia. diaphragm, acceleration compensated

Model 113B28

High frequency ICP® pressure sensor, 50 psi, 100 mV/psi, 0.218" dia. diaphragm, acceleration compensated

Model 113B22PBO

High frequency ICP® pressure sensor, placebo version of series 113 sensors

Model 061A59

Mounting adaptor, 3/8-24 external thd to 5/16-24 internal thd



SENSOR KIT	DESCRIPTION	MODEL NUMBER		
100A05	Pressure Sensors with Plastic Adaptors & Placebo	(3) 113B21	(1) 113B22PBO	(4) 061A59 (4) M061A59
100A06	Pressure Sensors with Plastic Adaptors & Placebo	(3) 113B26	(1) 113B22PBO	(4) 061A59 (4) M061A59
100A07	Pressure Sensors with Plastic Adaptors & Placebo	(3) 113B27	(1) 113B22PBO	(4) 061A59 (4) M061A59
100A08	Pressure Sensors with Plastic Adaptors & Placebo	(3) 113B28	(1) 113B22PBO	(4) 061A59 (4) M061A59



KIT ADDITIONS

These additional products are available for a discounted price with the purchase of any defense kit.

Series 137B and 113B require standard ICP® power with the ability to adjust constant current. It is important to account for extra cable capacitance found in long cables used in blast test environments by increasing the constant current.

PRODUCTS AVAILABLE:

4 Channel Signal Conditioner (Model 482C05)

Line-powered, ICP® sensor signal conditioner, 1 MHz frequency response, adjustable constant current for driving long cables

8 Channel Signal Conditioner (Model 483C05)

Line-powered, ICP® sensor signal conditioner, 1 MHz frequency response, adjustable constant current for driving long cables



MODEL NUMBER	DESCRIPTION
482C05	4 Channel Signal Conditioner
483C05	8 Channel Signal Conditioner



SENSORS FOR RESEARCH & DEVELOPMENT





PLATINUM STOCK SENSORS

SAME DAY SHIPPING - LIFETIME WARRANTY

Besides the kits offered in this book the **Platinum Stock Sensors*** program is another way we live up to our Total Customer Satisfaction guarantee. Driven by customer demand, these sensors and cables are the best fit for typical R&D, product testing, and industrial monitoring applications. Platinum Stock Sensors ship the same day and are backed by a lifetime warranty — if you are not 100% satisfied, simply send them back. We'll repair or replace them, guaranteed. No questions asked!

*For U.S. customers, orders up to 10 units placed before 4 p.m. EST ship the same day. IF NOT, YOUR SHIPPING IS FREE. For orders outside the U.S., please contact your local representative. Volume discounts are valid in the USA only.



3425 Walden Avenue, Depew, NY 14043-2495 USA

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PCB PIEZOTRONICS is a designer, manufacturer, and global supplier of accelerometers, microphones, force, torque, load, strain, and pressure sensors, as well as the pioneer of ICP® technology. This instrumentation is used 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 fast shipment of over 10,000 sensors that are covered by a Lifetime Warranty. With a support team of Customer Service Representatives and Application Engineers, PCB® proudly stands behind their products with the services you value most, including 24-hour technical support, a global distribution network, and **THE INDUSTRY'S ONLY COMMITMENT TO TOTAL CUSTOMER SATISFACTION.**

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