



## 9905D SERIES

# BRASS PRESSURE CALIBRATION SYSTEMS

- Performs SAAMI standardized calibration
- Calculates slope and offset
- Turnkey system with all necessary components
- Windows® PC with familiar, intuitive user interface
- Quick setup of tests, acquisition of data, logging of results, and printed reports
- Setup and recall data for each test from the internal database

## TYPICAL APPLICATIONS

- Ammunition and gun testing
- General ballistics testing

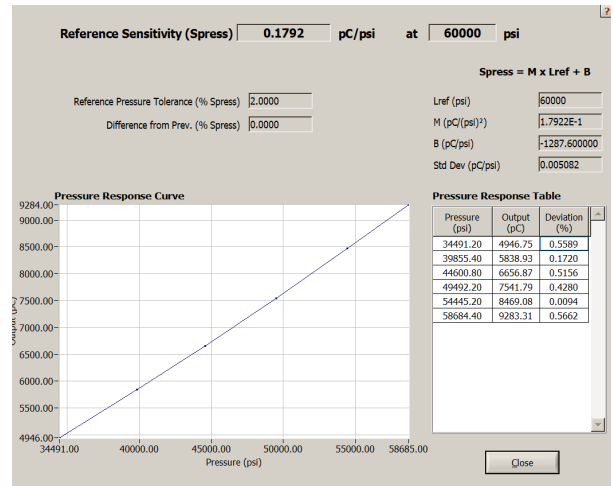
## BALLISTICS TESTING

9905D Series Ammunition Brass Pressure Calibration Systems perform ultra high pressure calibrations with PCB 117 Series pressure sensors. Series options offer both manual and automated solutions, with and without software, to help meet your testing needs.

Fully integrated systems include either a manual or automated calibration fixture, data acquisition hardware, Windows® PC, and software to automate test setup, data acquisition, data archiving, and report generation. All 9905D Series Systems provide ultra high pressure calibration up to 80 000 psi (550 MPa) to the sensor under test. When choosing a model number from this series of products, please note that a “K” prefix means that the system includes automated data acquisition, pre-installed software, and training at your facility. Also, “+AUTO” means that the pressure generating pump and valves are automated with servomotor drives and controlled with a touchscreen HMI (Human Machine Interface) as pictured above.

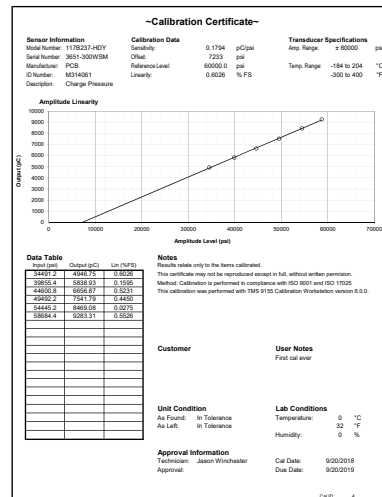
SPECIFICATIONS		
<b>Performance</b>		
Calibration Pressure Range	10 000 psi to 80 000 psi	69 MPa to 550 MPa
Measurement Step Increments	5000 psi	34 MPa
Reference Standard Gauge	≤ 0.10 %FS	
Maximum Pump Pressure	80 000 psi	550 MPa
<b>System Descriptions</b>		
9905D	Turnkey high pressure calibration system. Capable of step pressure loads of 80 000 psi (550 MPa). No computer or software.	
K9905D	Turnkey high pressure calibration system, includes actuator, PC-based data acquisition, database, signal conditioning, and accessories. Capable of step pressure loads of 80 000 psi (550 MPa).	
9905D+AUTO	Turnkey high pressure calibration system, includes servo-driven actuator, HMI. Capable of step pressure loads of 80 000 psi (550 MPa). No computer or software.	
K9905D+AUTO	Turnkey high pressure calibration system, includes servo-driven actuator, HMI, PC-based data acquisition, database, signal conditioning, and accessories. Capable of step pressure loads of 80 000 psi (550 MPa).	

SYSTEM OPTIONS & CAPABILITIES				
	9905D	K9905D	9905D+AUTO	K9905D+AUTO
Oil Calibration	✓	✓	✓	✓
Brass Calibration	✓	✓	✓	✓
PC with Pre-installed Data Acquisition Package		✓		✓
Calibration Data Database		✓		✓
Installation and Training at Your Facility		✓		✓
Pump Drive	Human	Human	Servo	Servo
Valve Control	Human	Human	Servo	Servo
Touchscreen HMI (Human Machine Interface)			✓	✓



### Calibration Software

K9905D calibrates at pre-determined levels and calculates linearity over the testing range



### Calibration Certificate

K9905D automatically generates customizable calibration certificates for printing and archiving



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The Modal Shop, Inc. offers structural vibration and acoustic sensing systems and services for various applications in design and test laboratories as well as manufacturing plants. An extensive sound and vibration rental program, precision calibration systems, and both modal and vibration shakers are designed to simplify test phases. Non Destructive Testing Systems help manufacturers provide 100% quality inspection of metal components. The Modal Shop, Inc. is a subsidiary of PCB Piezotronics, Inc., and PCB® is a wholly owned subsidiary of MTS Systems Corporation.

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