



9905D SERIES

CARTRIDGE CASE CALIBRATION SYSTEMS

- Performs SAAMI accepted 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 firearm testing
- General ballistics testing

BALLISTICS TESTING

9905D Series Cartridge Case 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. Models with “+AUTO” designation include touchscreen controlled servomotor automation of the pressure generating pump and valves, allowing users to spend less hands-on time performing calibrations with easier system operation and increased testing throughput.

SPECIFICATIONS

Performance

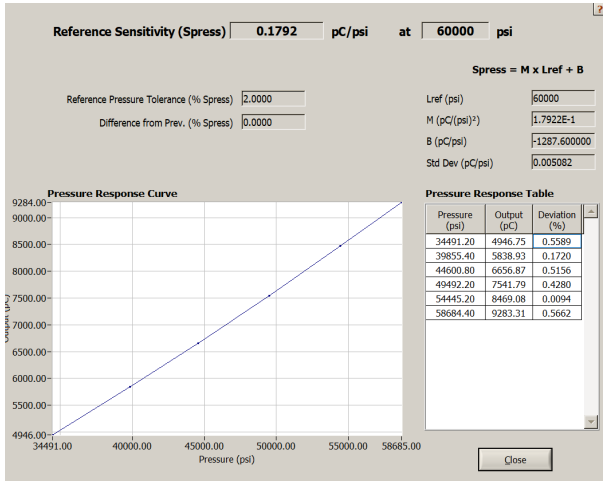
Calibration Pressure Range	10 000 psi to 80 000 psi	69 MPa to 550 MPa
Measurement Step Increments	5000 psi	34 MPa
Reference Standard Gauge	$\leq 0.10\% \text{FS}$	
Maximum Pump Pressure	80 000 psi	550 MPa

System Descriptions

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).
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).

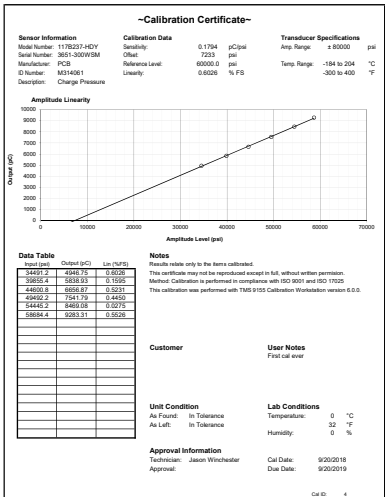
SYSTEM OPTIONS & CAPABILITIES

	K9905D	K9905D+AUTO
Oil Calibration	✓	✓
Cartridge Case Calibration	✓	✓
PC with Pre-installed Data Acquisition Package	✓	✓
Calibration Data Database	✓	✓
Installation and Training at Your Facility	✓	✓
Pump Drive	Human	Servo
Valve Control	Human	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