

MODEL K9903C

# LOW PRESSURE CALIBRATION WORKSTATION MODEL K9903C



The Model K9903C Pressure Calibration Workstation performs low pressure calibrations on a wide range of dynamic pressure sensors. The Model K9903C is a turnkey system that includes the calibration fixture, data acquisition hardware, Windows PC, and software to automate test setup, data acquisition, data archiving, and report generation. The K9903C provides low (up to 150 psi [1 MPa]) transient pressure pulses to the sensor under test, in accordance with ANSI B88.1. The K9903C calculates sensor sensitivity, linearity, and discharge time constant.

## BENEFITS:

- Assures accurate, traceable calibrations
- Turnkey system includes all necessary components
- Windows PC supplies familiar, intuitive user interface
- Setup tests, acquire data, save results, and print reports quickly with precision and automation
- Define pass/fail criteria for each test and automatically recall them from the internal database
- Prints customizable ISO compliant certificates
- Automates calibration procedures
- Automatically checks excitation levels against acceptance criteria

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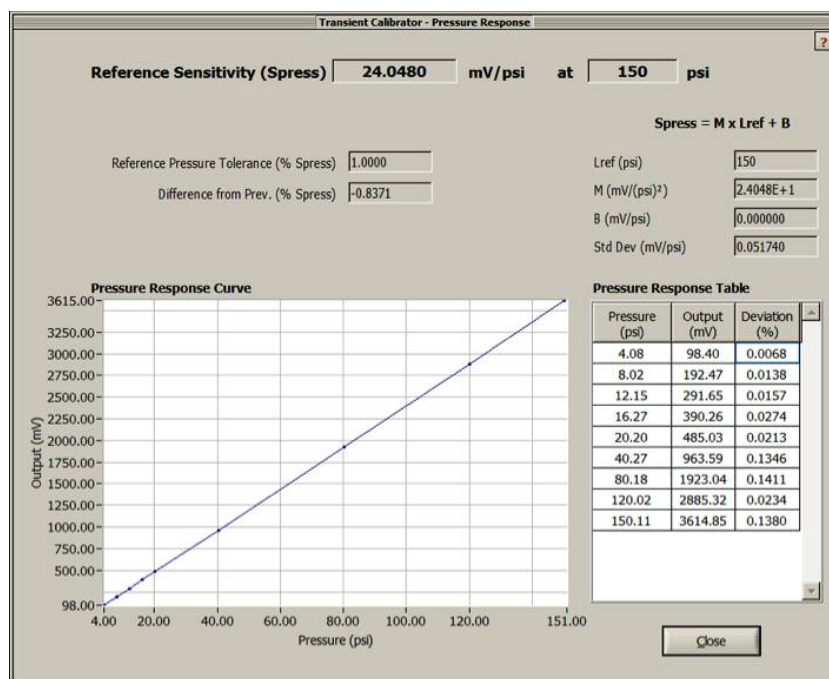
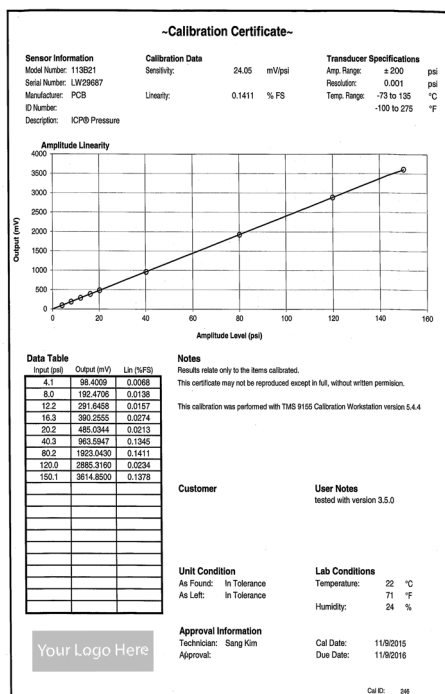


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The model K9903C is based on two product lines with a rich heritage of calibration experience. The pressure actuators and measurement equipment have been in use for decades at PCB Piezotronics, while the data acquisition and automation software is based on The Modal Shop's 9155 Series of vibration sensor calibration workstations. The K9903C merges these two product lines to form a standalone dynamic pressure calibration system with mature measurement capability. In addition, the K9903C01 is offered as a retrofit package to existing customer owned PCB 903B02 calibration systems. The 9155D-903 adds pressure calibration capability to existing 9155D Accelerometer Calibration Workstations.

## K9903C SPECIFICATIONS

Calibration Pressure Range	psi (MPa)	0 to 150 (0 to 1.0)
Pressure Step Rise Time (nominal)	ms	5
Reference Gauge Range (FS)	psi (MPa)	0 to 150 (0 to 1.0)
Reference Gauge Accuracy	% FS	0.2
Size ( L x W x H ) [actuator only]	inch (mm)	22 x 24 x 24 (560 x 610 x 610)
Weight [actuator only]	lb (kg)	50 (23)
Reservoir Maximum Pressure	psi (MPa)	200 (1.37)



K9903C automatically generates customizable calibration certificates for printing and archiving

K9903C calibrates at pre-determined levels and calculates linearity over the testing range

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