

PressureChecker

Streamlining Pressure Sensor Validation With the PressureChecker



Non-invasive

This calibrated device ensure the accuracy and proper functioning of METTLER TOLEDO Pendotech Single-Use Pressure Sensors™ without the requirement to access the fluid path.



Hand-held

This compact hand-held enclosure includes all the necessary components to perform its intended function.



Internal Pressure Sensor Simulator

It can be used to verify the proper functioning of monitors such as the PressureMAT®, METTLER TOLEDO Pendotech Process Control Systems, or 3rd party monitors.



NIST Traceable

The calibration process can be traced back through an unbroken chain of comparisons to NIST's nationally recognized standards.



Calibrated PressureChecker Device

For Verifying and Testing Single-Use Pressure Sensors

The PressureChecker™ is a portable, battery-operated device that verifies the accuracy of METTLER TOLEDO Pendotech Single-Use Pressure Sensors™ and monitors. It tests sensors in-situ without accessing the fluid path, detecting leaks by pressurizing through the test port and observing pressure drops. The device features a solid-state transducer and a pressure cylinder to measure static pressure from -6 to +10 psi. An adjustment knob regulates pressure displayed on the LCD, and a pneumatic port connects to the sensor test port for efficient testing. It is NIST traceable for annual calibration, suitable for various industrial settings, and can test monitor accuracy independently via a 4-pin connector.

At METTLER TOLEDO Pendotech, our Pressure Sensors are rigorously tested during manufacturing for quality. The PressureChecker™ enables real-time verification of sensor accuracy and consistency.

METTLER **TOLEDO**

Product Information for PressureChecker

Specifications

Certified Operating Pressure Range	-6 to +10psi, 0.01psi resolution -400 to 700mbar, 1mbar resolution
Temperature Operating	15°C to 40°C
Storage	-20°C to 65°C
Operating Humidity	80% RH Max., Non-condensing
Accuracy	± 1% (± 2% above 7.50psi) or ± .02psi which ever is greater ± 1% (± 2% above 600mbar) or ± 1mbar which ever is greater
Repeatability / Hysteresis	+/- 0.15% of full scale output
Over Pressure Rating	14.5psi; 1000mbar
Pressure Sensor Simulator	Sensitivity: 0.2584mV/psi/volt +/- 1% Excitation: 2 to 10VDC Input Impedance: 3500ohms +/- 10% Output Impedance: <4000ohms Asymmetry: < 1% Unbalance: 1.45psi
Power Requirements	One 9 Volt battery
Battery Life	150 hours constant use, 15 months intermittent use, low battery indicator (BAT) appears when voltage drops below 7.2volts
Display	3.5inch LCD with 0.5inch high digits and negative polarity indicator (for vacuum indication)
Dimensions	5.75 x 1.5 x 3.1inches (L x D x W) 146 x 38 x 79mm
Weight	9.7 ounces (275 grams)

Ordering Information

	Order number
PressureChecker pressure sensor and monitor verification tool includes PDKT-650-905	PDKT-650-950
PressureChecker pressure sensor and monitor verification tool, millibar includes PDKT-650-905	PDKT-650-950B
Replacement parts:	
4 ft (1.22 m) connecting tube with luer slip	PDKT-650-905