

Fluke 717, 718, 719, Pressure Calibrators



The Fluke 717 Pressure Calibrators deliver outstanding performance, durability and reliability. The Fluke 717 Pressure Calibrators are easy to use, compact and lightweight.



The Fluke 718 Pressure Calibrator provides a total pressure calibration solution for testing transmitters, gauges and switches. This compact pressure calibration solution is about a third of the size of comparable instruments and weighs just one kilogram (two pounds).



The Fluke 719 Electric Pressure Calibrator can calibrate and test pressure devices quickly and easily with the built-in electric pump. Programmable pump limit settings help eliminate accidental over-pressurization.

Key features:

- Dual display shows measured pressure and mA simultaneously
- Pressure switch test function for easy switch testing
- Extend pressure measurement range with any of (50) 750P Series pressure modules
- Unique cleanout port design reduces 718 and 719 pump failures
- 718Ex models have ATEX and CSA ratings for use in hazardous areas
- 24 V loop power (not included in 718Ex)
- 3-year warranty

Summary specifications:

- Fluke-717 available in 11 ranges, 1 to 10,000 psi (70 mbar to 690 bar)
- Fluke 718 available in (4) ranges, 1, 30, 100 and 300 psi (70 mbar to 20 bar)
- 718Ex (IS Rated) available in (3) ranges, 30, 100 and 300 psi (2 bar to 20 bar)
- Fluke 719 is available in (2) ranges, 30 and 100 psi (2 bar to 7 bar)
- Measure pressure with internal sensor to 0.025%
- Measure mA with 0.015% accuracy
- 719 models source mA with 0.015% accuracy

Fluke 721 Precision Dual Range Pressure Calibrators



The Fluke 721 Precision Pressure Calibrators with dual isolated pressure sensors are the ideal tool for gas custody transfer applications. Take simultaneous static and differential pressure measurements with a single tool and measure mA and temperature.

Key features:

- Ideal for gas flow calibration (custody transfer) applications
- Two isolated, stainless steel, pressure sensors with 0.025% accuracy
- Temperature measurement with the optional 720RTD Pt100 probe
- Measures 4 to 20 mA signals
- Measure DC voltage to 30 Vdc, check 24V power supplies and 1-5V signals
- Internal 24 V loop power supply can power a transmitter under test
- Extend pressure measurement range with connection to external 750P series pressure modules (50 ranges)
- Large backlit graphic display can show up to three measurements simultaneously
- 3-year warranty

Summary specifications

- Low pressure sensor (P1) 16 psi (1.1 bar) or 36 psi (2.48 bar)
- High pressure sensor (P2) 100, 300, 500, 1000, 1500, 3000 or 5000 psi (6.9, 20, 24.5, 69, 103.4, 200, 345 bar).
- mA measurement with 0.015% accuracy
- Temperature measurement from -40 to 150 C with optional 720RTD probe
- Measure V dc to 30V with 0.015% accuracy

Applications

- Transmitter calibration
- Flow computer calibration
- Switch testing
- Gauge testing

INTRINSICALLY SAFE PRESSURE CALIBRATORS

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Calibration Experts



The 725Ex is an intrinsically safe multifunction process calibrator for usage in areas where explosive gasses are known to be present. This calibration tool sources and measures almost all process parameters. Add any of (8) 700PEX pressure modules to make the 725Ex a pressure calibrator.



The Fluke 718Ex is a powerful intrinsically safe self-contained portable pressure calibrator for usage in explosion endangered areas. It provides a total pressure calibration solution for transmitters, gauges and switches. This compact pressure calibration solution is about a third of the size of comparable instruments and weighs just one kilogram (two pounds). The unique easy to clean pump helps protect the pump from damage and provides the ability to service the pump without disassembly, even in the field.



The Fluke 700PEX Series Pressure Modules allow you to measure pressure with Fluke intrinsically safe calibrators such as the 718Ex and the 725Ex. The pressure modules measure pressure using an internal microprocessor. They receive operating power from and send digital information to the intrinsically safe calibrators.

The Fluke-700G Series test gauges also have an IS rating. See previous page for more information on these gauges.



721Ex Dual range pressure calibrators.

- Same accurate pressure measurement and (14) ranges of the standard 721
- Add 720RTD accessory probe for temperature measurement
- Voltage measurement, loop power and pressure connectivity removed to achieve Ex rating.

Summary Specifications:

- 725Ex: ATEX II 1 G Ex ia IIB 171°C, CSA Class I, Division 1 Groups B-D
- 718Ex: ATEX II 1G Ex ia IIC T4, CSA Class I, Division 1 Groups A-D
- 700G: ATEX rating: II 3 G Ex nA IIB T6, CSA; Class 1, Div 2, Groups A-D
- 721Ex: ATEX: Ex ia IIB T3 Gb (Ta= -10... +45 °C) DEKRA 10 ATEX 0168X, IEC-Ex: Ex ia IIB T3 Gb (Ta= -10...+45 °C) II 2 G IECEx CSA 10.0013X