

Fluke 718Ex Intrinsic Safe Pressure Calibrator

The Fluke 718Ex Intrinsic Safe Pressure Calibrator offers high performance in an ATEX-compliant pressure calibrator.

A complete, self-contained calibration, switch test solution, the 718Ex offers:

- Pressure switch test function
- Min-Max Hold functions
- Compact size and weight
- Simple, push-button user interface
- Rugged and reliable, ideal for field use
- Ships with a NIST traceable calibration certificate
- Built-in pressure / vacuum hand pump, with fine adjust vernier and bleed valve.
- Pressure measurement to 0.05% of full span, using an internal pressure sensor.
- Pressure measurement to 3,000 psi / 200 bar using any of eight intrinsically safe Fluke 700PEX Pressure Modules.
- Wide range of selectable measurement units for pressure.
- Current measurement with 0.02% accuracy and 0.001 mA resolution.



• Function Specifications	
Measure Pressure (internal sensor) Over Pressure 3xFS (718 30G only)*	Range: -12 to 30 psi (-83 to 207 kPa) Resolution: 0.001 psi (0.01 kPa) Accuracy: 0.05% full scale For use with non-corrosive gasses Zero, Min, Max, Hold, Damp
Measure Pressure (internal sensor) Over Pressure 3xFS (718 100G only)	Range: -12 to 100 psi (-83 to 690 kPa) Resolution: 0.01 psi (0.1 kPa) Accuracy: 0.05% of full scale For use with non-corrosive gasses Zero, Min, Max, Hold, Damp
Measure Pressure (with intrinsic safe Pressure Modules) Over pressure per pressure module specs	Range: 7 pressure modules, 10.0in. H2O/2.5kPa to 3,000 psi/20.7Mpa Resolution: To 0.0001 psi, per Pressure Module specs Accuracy: To 0.05% of full span, per Pressure Module specs Note: Media compatibility per Pressure Module Specs, Zero, Min, Max, Hold, Damp

Source Pressure, built in pump	Range: -11 psig to full scale Resolution: N/A Accuracy: N/A
Measure mA	Range: 0 to 24 mA Resolution: 0.001 mA Accuracy: 0.025% + 1 count

• General Specifications	
Operating temperature:	-10°C to 55°C
Non-operating temperature:	-40°C to 60°C
Relative humidity (% RH operating without condensation):	95% (10°C to 30°C); 75% (30°C to 40°C); 45% (40°C to 50°C); 35% (50°C to 55°C)
Operating altitude:	3,000m max
Vibration:	Random, 2g, 5-500 Hz
Shock:	1m drop test
Safety:	II 1 G EEx ia IIC T4 I.S. Class I Div 1 Groups A-D T4 AEx ia IIC T4 Ta = -10, aC ;K +55, aC EMC: EN6126 2002-02, Criteria C
Power:	Single 9V alkaline battery ANSI/NEDA 1604A or IEC 6LR61
Size:	216 mm L x 94mm W x 66 mm D (8.5 in X 3.72 in x 2.06 in)
Weight (with holster):	Approx. 992g (35 oz)
Display:	Clear, 5 digit liquid crystal
Warranty:	3 years

Included accessories:

- Protective red holster
- TL75 test leads
- AC72 test clips
- Media filter (700ILS)
- CD user's manuals (English, French, German, Spanish, Italian, Dutch, Norwegian, Danish, Swedish, Finnish, Portuguese, Korean, Chinese, Japanese)
- 718Ex CCD content control drawing

