

717/718/718Ex Pressure Calibrators

FLUKE®



Fluke 718

Fluke 718Ex



Fluke 717

Pump up the pressure

717 pressure Calibrators

- Measure pressure, 0.05% of full scale with internal sensor
 - 1/8 NPT pressure fitting
 - Compatible with non-corrosive gasses and liquids
- Pressure measurement to 700 bar using any of the Fluke-700Pxx Pressure Modules
- Wide range of selectable measurement units for pressure
- Current measurement with 0.015% accuracy and 0.001mA resolution
- Simultaneous pressure and current measurement for easy P/I or I/P testing
- 24 volt loop power supply
- Zero, Min-Max, Hold and Damping functions
- Pressure switch test captures set, reset and deadband values

718 Pressure Calibrators

- Same features as Fluke 717 plus
- Newly designed built-in pressure/vacuum hand pump with vernier and bleed valve helps protect the pump from damage and is easier to clean

718Ex 30G and 100G Intrinsically Safe Pressure Calibrator

- Same features as Fluke 718 (excl. loop supply)
- For use in explosion endangered areas
- ATEX certified (Ex II 1G EEx ia IIC T4)
- Compatible with eight intrinsically safe pressure modules

Specifications

Model	Range	Resolution	Over Pressure
718 1G	-68.9 mbar to 68.9 mbar	0.001 mbar	Over Pressure 5xFS
718 30G	-850 mbar to 2 bar	0.1 mbar	Over Pressure 2xFS
718 100G	-850 mbar to 7 bar	0.1 mbar	Over Pressure 2xFS
718 300G	-850 mbar to 20 bar	1 mbar	Over Pressure 375 PSI, 25 bar
717 1G	-68.9 mbar to 68.9 mbar	0.001 mbar	Over Pressure 5xFS
717 30G	-850 mbar to 2 bar	0.1 mbar	Over Pressure 2xFS
717 100G	-850 mbar to 7 bar	0.1 mbar	Over Pressure 2xFS
717 300G	-850 mbar to 20 bar	1 mbar	Over Pressure 375 PSI, 25 bar
717 500G	0 mbar to 34.5 bar	1 mbar	Over Pressure 2xFS
717 1000G	0 mbar to 69 bar	1 mbar	Over Pressure 2xFS
717 1500G	0 bar to 103.4 bar	0.01 bar	Over Pressure 2xFS
717 3000G	0 bar to 207 bar	0.01 bar	Over Pressure 2xFS
717 5000G	0 bar to 345 bar	0.01 bar	Over Pressure 2xFS

For Fluke 717/718 models: Supported Pressure Units; psi, in. H₂O(4°C), in. H₂O(20°C), cm H₂O(4°C), cm H₂O(20°C), bar mBar, kPa, inHg, mmHg, kg/cm²

Functions: Zero, Min, Max, Hold, Damp functions

Max. Voltage: 30 V

Operating temperature: -10°C to 55°C

Safety: CSA C22.2 No. 1010.1:1992

EMC: EN50082-1:1992 and EN55022:1994 Class B

Fluke 717: For use with non corrosive gasses and liquids

Fluke 718: For use with non corrosive gasses

717

Size (HxWxD): 201 mm x 98 mm x 52 mm

Weight: 0.6 kg

Warranty: Three years

718/718Ex

Size (HxWxD): 216 mm x 94 mm x 66 mm

Weight: 0.992 kg

Warranty 718: Three years

Warranty 718Ex: One year

Included Accessories

Fluke 717: Yellow Holster (H80M excl. TPAK), TL75 Test Leads and AC72 Alligator Clips, Single 9V alkaline battery (two 9V batteries in 718), Instructions. **718/718Ex:** 718: Yellow Holster, 718Ex: Red Ex Holster, TL75 Test Leads and AC72 Alligator Clips, 700ILF In-Line Filter, two 9V batteries, user manual on CD-ROM.

Ordering Information

Fluke 718 1G	Pressure Calibrator
Fluke 718 30G	Pressure Calibrator
Fluke 718 100G	Pressure Calibrator
Fluke 718 300G	Pressure Calibrator
Fluke 718Ex 30G	Intrinsically Safe Pressure Calibrator
Fluke 718Ex 100G	Intrinsically Safe Pressure Calibrator
Fluke 717 1G	Pressure Calibrator
Fluke 717 30G	Pressure Calibrator
Fluke 717 100G	Pressure Calibrator
Fluke 717 300G	Pressure Calibrator
Fluke 717 500G	Pressure Calibrator
Fluke 717 1000G	Pressure Calibrator
Fluke 717 1500G	Pressure Calibrator
Fluke 717 3000G	Pressure Calibrator
Fluke 717 5000G	Pressure Calibrator

Recommended Accessories

(Not for hazardous zones)



C43 (718)
See page 84



C125 (717)
See page 84



80PK-27
See page 82



700P27
See page 71



700LTP
See page 71