

# 717/718/718Ex Pressure Calibrators

FLUKE®



## 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 0.001 mA 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 (II 1G EEx ia IIC T4)
- Compatible with eight intrinsically safe pressure modules

## Specifications

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

**For Fluke 717/718 models:** Supported Pressure Units; psi, in. H<sub>2</sub>O(4°C), in. H<sub>2</sub>O(20°C), cm H<sub>2</sub>O(4°C), cm H<sub>2</sub>O(20°C), bar mBar, kPa, inHg, mmHg, kg/cm<sup>2</sup>

**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 94



**C125 (717)**  
See page 94



**TL220**  
See page 88



**700P27**  
See page 82



**700LTP**  
See page 82