

717/718/718Ex Pressure Calibrators

FLUKE®



Fluke 718

Fluke 718Ex



Fluke 717



Pump up the pressure

717 30G and 100G Pressure Calibrator

- Measure pressure, 0.05% of full scale with internal sensor
 - 1/8 NPT pressure fitting
 - Compatible with non-corrosive gases 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 0.025% 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 30G and 100G Pressure Calibrator

- Same features as Fluke 717 plus
- Built-in pressure/vacuum hand pump with vernier and bleed valve

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 (see page 60)

Specifications

	Function	Range	Resolution	Accuracy	Notes
30G models	Measure Pressure ¹ (internal sensor) Over pressure 3xFS	Gage 0-2 bar Vacuum -830 mbar	0.0001 bar	0.05% Full Scale	Gasses/liquids ¹ (non-corrosive) Zero, Min, Max, Hold, Damp
100G models	Measure Pressure ¹ (internal sensor) Over pressure 2xFS	Gage 0-7 bar Vacuum -830 mbar	0.001 bar	0.05% Full Scale	Gasses/liquids ¹ (non-corrosive) Zero, Min, Max, Hold, Damp
All models	Measure Pressure ¹ (with Pressure Modules) Over pressure per pressure module specs	29 Pressure Modules, 2.5 mbar to 700 bar	To 0.001 mbar per Pressure Module specs	To 0.025% of full span, per Pressure Module specs	Media compatibility per Pressure Module specs Zero, Min, Max, Hold, Damp
718-718Ex	Source Pressure, built-in pump	-830 mbar to full scale	N/A	N/A	
All models	Measure mA	0 to 24 mA	0.001 mA	0.025% + 1 count	
717/718	Loop Supply	24 V DC	N/A	± 10%	Drive; 20 mA into 1000 Ω for battery >6.8V; 700 Ω for battery 5.8 to 6.8V

1 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

2 Fluke 718: non-corrosive gases only

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.

717/718Ex: 718: Yellow Holster, 718Ex: Red Ex Holster, TL75 Test Leads end and AC72 Alligator Clips, 700ILF In-Line Filter, two 9V batteries, user manual on CD-ROM.

Ordering Information

Fluke 717 30G Pressure Calibrator
 Fluke 717 100G Pressure Calibrator
 Fluke 718 30G Pressure Calibrator
 Fluke 718 100G Pressure Calibrator
 Fluke 718Ex 30G Intrinsically Safe Pressure Calibrator
 Fluke 718Ex 100G Intrinsically Safe Pressure Calibrator

10033-eng Rev. 06

717

For general specifications see page 56

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

Weight: 0.6 kg

Warranty: Three years

718/718Ex

For general specifications see page 56

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

Weight: 0.992 kg

Warranty 718: Three years

Warranty 718Ex: One year

Recommended Accessories



C43 (718)



C125 (717)



80PK-27



700P27



700ILT