

Fluke 717 and 718 Pressure Calibrators

Compact, professional, pressure calibration tools.



Fluke 717 30G and 100G Pressure Calibrators

- Measure pressure and vacuum to 0.05 % of full scale with internal 30 or 100 psig sensor
 - 1/8 NPT pressure fitting
- Compatible with non-corrosive gasses and liquids
- Measure pressure to 10,000 psi/69 mPa using one of 29 Fluke 70Pxx Pressure Modules
- Measure mA with 0.025 % accuracy and 0.001 mA resolution, while providing 24 V loop power
- Wide range of selectable measurement units for pressure
- Min/Max/Hold functions

Fluke 718 30G and 100G Pressure Calibrators

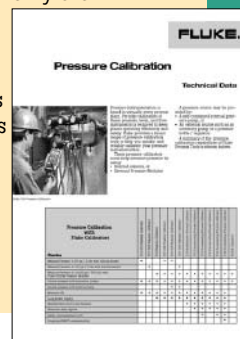
- Compact size, lightweight
- Built-in pressure/vacuum hand pump, with vernier and bleed valve
- Pressure and vacuum measurement to 0.05 % of full span, using an internal pressure sensor (dry air only)
- Pressure measurement to 10,000 psi/700 bar using any of 29 Fluke 700Pxx Pressure Modules
- Wide range of selectable measurement units for pressure
- Measure mA with 0.025 % accuracy and 0.001 mA resolution, while providing 24 volt loop power supply
- 1/8 inch NPT female pressure fitting
- Min/Max/Hold functions



Pressure Calibration Data Sheet

(Literature code 1281620)

Examples of how to calibrate, troubleshoot and verify the most common pressure devices. The Fluke tools that address these applications are shown.



Fluke 700 Series Pressure Modules

- 29 pressure modules
- Ranges from 1.000 in H₂O (0.2491 kPa) to 10,000 psi (68.948 MPa)
- Gage, differential, dual (compound), absolute, and vacuum modules
- Rugged cases protect the modules from harsh environments
- Full-accuracy performance from 0 °C to 50 °C
- Pressure readings update twice per second, and may be displayed in up to 11 different units
- One-year warranty

Specifications - 717 and 718 Calibrators

717 30G	717 100G	718 30G	718 100G	Function	Range	Resolution	Accuracy	Notes
•		•		Measure pressure ¹ (internal sensor) over pressure 3xFS	-12 to 30 psi (-83 to 207 kPa)	0.001 psi (0.01 kPa)	0.05 % full scale	Dry air only (718), Zero, Min, Max Hold, Damp
	•		•	Measure pressure ¹ (internal sensor) over pressure 2xFS	-12 to 100 psi (-83 to 690 kPa)	0.01 psi (0.1 kPa)	0.05 % full scale	Dry air only (718), Zero, Min, Max Hold, Damp
•	•	•	•	Measure pressure ¹ (with pressure modules) over pressure per pressure module specs	29 Pressure Modules, 1.0 in. H ₂ O/0.25 kPa to 10,000 psi/69 MPa	To 0.0001 psi, per Pressure Module specs	To 0.05 % of full span, per Pressure Module Specs	Media compatibility per Pressure Module Specs Zero, Min, Max Hold, Damp
		•	•	Source pressure, built-in pump	-12 psig to full scale	N/A	N/A	
•	•	•	•	Measure mA	0 to 24 mA	0.001 mA	0.025 % + 1 count	
•	•	•	•	Loop supply	24 V dc	N/A	±10 %	Drive; 20 mA into 1000 Ω for battery >6.8 V; 700 Ω for battery 5.8 to 6.8 V

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
 Fluke 718 for use with non-corrosive gasses, not compatible with liquids.
 See page 26 for general specifications

Recommended accessories - 717 and 718 Calibrators



700ILF
See page 43



700LTP
See page 43



TL220
See page 39



C25 (717 only)
See page 44



80PK-27
See page 42

Included accessories

Fluke 717 and 718: protective yellow holster, test leads and alligator clips, single 9 V alkaline battery (two 9 V batteries in 718), instructions.

Ordering information

Fluke-717 30G Pressure Calibrator
 Fluke-717 100G Pressure Calibrator
 Fluke-718 30US Pressure Calibrator
 Fluke-718 100US Pressure Calibrator