

# 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

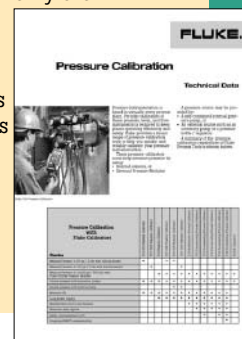
- Compact size, lightweight
- Built-in pressure/vacuum hand pump, with vernier and bleed valve
- Pressure and vacuum measurement to 0.05 % of full span, using an internal pressure sensor (dry air only)
- Pressure measurement to 10,000 psi/700 bar using any of 29 Fluke 700Pxx Pressure Modules
- Wide range 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 H<sub>2</sub>O (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 <sup>1</sup> (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 <sup>1</sup> (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 <sup>1</sup> (with pressure modules) over pressure per pressure module specs	29 Pressure Modules, 1.0 in. H <sub>2</sub> 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

<sup>1</sup> 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>  
 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