

Fluke 717, 718 and 719 Pressure Calibrators

Accurate and rugged, temperature calibration tools

New



Fluke 719 Electric Pressure Calibrators

New! Forget the hassle of hand pumping. Save time! Save money!

- Electric pump enables one handed pressure pumping and makes pressure calibration quicker and easier.
- Best in class 0.025 % pressure measurement accuracy.
- Programmable pump limit settings can eliminate over-pressurization—set 'pump to' pressure values.
- Two ranges, 30 PSI and 100 PSI.

Fluke 718 Pressure Calibrators

Compact size, cost effective and convenient with two tools in one.

- 1, 30, 100 and 300 PSI ranges available.
- Pump to 300 PSI, 20 bar with internal pump (718-300G).
- 718-1G includes special low volume pump and high measurement resolution for low pressure calibration.

Fluke 717 Pressure Calibrators

Cost effective pressure calibration solution with nine ranges.

- Measure up to 5000 PSI/345 bar sensor (5000G model).
- Compatible with non-corrosive gases and liquids.

718 and 719

- Precision vernier for fine pressure adjustment.
- Variable release rate bleed valve for controlled pressure release.

717, 718 and 719 common features

- Pressure switch test makes a difficult task easy, captures set, reset and deadband values of a pressure switch.
- 717 and 718, measure pressure to 0.05 % of full scale with internal sensor.
- Measure mA with 0.015 % accuracy and 0.001 mA resolution, while sourcing 24 V loop power.

Specifications - 717 and 718 Calibrators

Models	Range	Resolution	Comment
717-1	+/- 1 psi, 27.5 in H ₂ O, (-7 - +7 kPa)	+0.0001 psi, 0.0001 kPa, 0.0001 in H ₂ O	Fluke-718 dry air only and includes on board pump
718-1G			
717-30G	-12 to + 30 psi, (-83 to 207 kPa)	0.001 psi, 0.001 kPa, 0.001 in H ₂ O	Fluke-718 and Fluke-719 dry air only and includes on board pump
718-30G* and 719-30G			
717-100G	-12 to + 100 psi, (-83 to 690 kPa)	0.01 psi, 0.01 kPa, 0.01 in H ₂ O	Fluke-718 and Fluke-719 dry air only and includes on board pump
718-100G*			
717-300G	-12 to +300 psi, (-83 to +2070 kPa)	0.01 psi, 0.01 kPa, 0.01 in H ₂ O	Fluke-718 dry air only and includes on board pump
718-300G* and 719-100G			
717-500G	0-500 psi, 0-3450 kPa	0.01 psi, 0.1 kPa	Compatible with non-corrosive gases and fluids
717-1000G	0-1000 psi, 0-6900 kPa	0.01 psi, 0.1 kPa	Compatible with non-corrosive gases and fluids
717-1500G	0-1500 psi, 0-10342 kPa	0.1 psi, 1 kPa	Compatible with non-corrosive gases and fluids
717-3000G	0-3000 psi, 0-20700 kPa	0.1 psi, 1 kPa	Compatible with non-corrosive gases and fluids
717-5000G	0-5000 psi, 0-34500 kPa	0.1 psi, 1 kPa	Compatible with non-corrosive gases and fluids
Pressure accuracy	0.05 % of range		
mA measurement	0-24 mA range	0.001 mA resolution	Accuracy: ± 0.015 % + 1 count
Loop power	24 V dc		Accuracy: ± 10 %

*Intrinsically safe models available, see page 36. Warranty: Three-year on calibrator, one-year on pump

Recommended accessories - 717 and 718 Calibrators



700LF
In-Line Filter
See page 61.



700LTP-1
Low Pressure Test Pump
See page 61.



TL220
SureGrip Industrial Test Lead Set
See page 53.



C116
Large Soft Case
See page 62.



700HTP-1
Hydraulic Test Pump
See page 61.

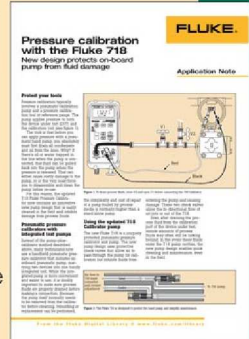
For more information, go to www.fluke.com/pressure



FLUKE®

Pressure calibration with the Fluke 718

New design protects on-board pump from fluid damage. This application note explains how to drain pressure lines safely before calibration, and how to clean the pressure pump on the new Fluke 718.



Download this application note at www.fluke.com/pressure-cal



Fluke Process Calibrators in this catalog displaying the Pressure Enabled symbol display readings from the 700 Series Pressure Modules.

Fluke 700 Series Pressure Modules

- 29 pressure modules.
- 8 intrinsically safe 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.

*For use with 718Ex and 725Ex only (see page 36 for more information).

Included accessories

Fluke 719, 718 and 717: Protective yellow holster, test leads and alligator clips, single 9 V alkaline battery (two 9 V batteries in 718 and 719), test hose (719), and instructions.

Ordering information

FLUKE-719-30G	Electric Pressure Calibrator
FLUKE-719-100G	Electric Pressure Calibrator
FLUKE-718 1G	Pressure Calibrator
FLUKE-718 30US	Pressure Calibrator
FLUKE-718 100US	Pressure Calibrator
FLUKE-718 300G	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

For a full list of Fluke 700 Pressure Modules, visit www.fluke.com/pressure.



Process Calibration Tools

35