

FLUKE®

Fluke 717 and Fluke 718 Pressure Calibrators *Pump up your test tool business with complete solutions for pressure calibration*



Fluke 718 Pressure Calibrators:
A complete calibration solution with the ONLY built-in pump customers can easily service in the field.

Whether your customers want to calibrate transmitters, gauges, or switches, you can offer them a complete solution with the Fluke 718 family of four calibrator models. It's about 1/3 the size of comparable instruments and weighs just one kilogram (two pounds). And, it's the only calibrator that customers can easily clean in the field, without disassembly – to keep them up and running. It eliminates expensive service costs, reduces down time and makes the sale.

Key Features:

- Pressure source and milliamp measurement lets your customers calibrate and maintain almost any pressure device with one tool
- Integrated Pump with media protection protects the pump from fluid contamination and lets customers service pumps in the field
- Error % calculation for quicker pass/fail decision making in the field
- Best in class accuracy (0.015%) for better measurement confidence and workload coverage
- Min/Max/Hold functions capture changing measurements
- Switch test feature for quicker and more accurate test results
- 1 (NEW), 30, 100, and 300 (NEW) pressure ranges for better workload coverage
- 700PXX pressure modules extend measurement ranges



Innovative new pump design

- Pumps can be easily contaminated with process fluids
 - Often requires repairs
- New design reduces repairs and cost of ownership

New pump design!

Has (2) clean out ports!

- Remove fluids, clean with cotton swab
- Easy access, can be serviced in the field

Included accessories:

- Protective holster
- TL75 test leads
- AC72 test clips
- CD user's manuals (English, French, German, Spanish, Italian, Dutch, Norwegian, Danish, Swedish, Finnish, Portuguese, Russian Korean, Chinese, Japanese)

Fluke 717 Pressure Calibrators:

Seven new models calibrate up to 5000 PSI and expand your sales opportunities. The Fluke 717 Pressure Calibrators deliver outstanding performance, durability and reliability. Now you can offer customers an even broader range of these lightweight, easy-to use calibrators. Seven new models, nine models total, cover the gamut of pressure applications from -12 to 5000 PSI.

Customer market:

Instrument technicians working in process plants and associated with Instrumentation and Electrical Maintenance Shops. Typical industries include oil refining, chemical processing, pulp and paper manufacturing, food processing, pharmaceuticals, power generation, water/sewage treatment and gas transmission.

Functional Specifications:

Fluke 718 Series

Model	Range	Resolution	Accuracy	Functions	Notes
718 1G	-1 to +1 PSI, -68.9 mbar to 68.9 mbar (internal sensor) Over Pressure 5xFS	0.0001 psi, 0.001 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Note: for use with non-corrosive gasses
718 30G	-12 to 30 PSI, -850 mbar to 2 bar (internal sensor) Over Pressure 2xFS	0.001 psi, 0.1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Note: for use with non-corrosive gasses
718 100G	-12 to 100 PSI, -850 mbar to 7 bar (internal sensor) Over Pressure 2xFS	0.001 psi, 0.1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Note: for use with non-corrosive gasses
718 300G	-12 to 300 PSI, -850 mbar to 20 bar (internal sensor) Over Pressure 375 PSI, 25 bar	0.01 psi, 1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Note: for use with non-corrosive gasses

Fluke 718 series via pressure module connector	
Range:	29 pressure modules, 0-1 inH2O to 10,000 psi, 2.5 mbar to 700 bar Note: media compatibility per pressure module specs
Accuracy:	To 0.025% of full span, resolution per pressure module specs
Functions	Zero, Min, Max, Hold, Damp
Fluke 718 series via built in pump	
Range:	-12 PSI or -850 mbar to full scale 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/cm
Loop Power	24 V dc +/- 10% Note: Drive; 20 mA into 1000 Ω for battery >6.8V; 700 Ω for battery 5.8 to 6.8 V
Measure Accuracy:	Range: 0 to 24 mA Resolution: 0.001 mA Accuracy: 0.015% + 2 count

Fluke 717 Series

Model	Range	Resolution	Accuracy	Functions	Notes
717 1G	-1 to +1 PSI, -68.9 mbar to 68.9 mbar (internal sensor) Over Pressure 5xFS	0.0001 psi, 0.001 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive),
717 30G	Negative 12 to 30 PSI, - 850 mbar to 2 bar (internal sensor) Over Pressure 2xFS	0.001 psi, 0.1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)
717 100G	Negative 12 to 100 PSI, - 850 mbar to 7 bar (internal sensor) Over Pressure 2xFS	0.01 psi, 0.1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive),
717 300G	Negative 12 to 300 PSI, - 850 mbar to 20 bar (internal sensor) Over Pressure 375 PSI, 25 bar	0.01 psi, 1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)
717 500G	0 to 500 PSI, 0 mbar to 34.7 bar (internal sensor) Over Pressure 2xFS	0.01 psi, 1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)
717 1000G	0 to 1000 PSI, 0 bar to 69 bar (internal sensor) Over Pressure 2xFS	0.1 psi, 1 mbar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)
717 1500G	0 to 1500 PSI, 0 bar to 103.4 bar (internal sensor) Over Pressure 2xFS	0.1 psi, 0.01 bar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)
717 3000G	0 to 3000 PSI, 0 bar to 207 bar (internal sensor) Over Pressure 2xFS	0.1 psi, 0.01 bar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)
717 5000G	0 to 5000 PSI, 0 bar to 345 bar (internal sensor) Over Pressure 2xFS	0.1 psi, 0.01 bar	0.05% full scale	Zero, Min, Max, Hold, Damp	Gasses/Liquids (non-corrosive)

Fluke 717 series via pressure module connector using optional Pressure Modules

Range:	29 pressure modules, 0-1 inH2O to 10,000 psi, 2.5 mbar to 700 bar Note: media compatibility per pressure module specs
Accuracy:	To 0.025% of full span, resolution per pressure module specs
Functions	Zero, Min, Max, Hold, Damp

Increase your average sale with these vital accessories

700PTP Pneumatic Test Pump:

Particularly useful with the 717 calibrator, this pump can generate pneumatic test pressures up to 600 PSI, 40 Bar. Equipped with two pressure ports with push fit connectors, test hoses and fittings.

700LTP Low-Pressure Test Pump:

For low-pressure applications, this hand-operated pressure pump generates either vacuum to -12 psi / -.85 bar or pressures to 30 psi / 2000 mbar. Equipped with two pressure ports with push fit connectors, test hoses and fittings.

700HTP Hydraulic Test Pump:

This pump generates pressures up to 10,000 psi/700 bar. It features two pressure ports: 3/8-BSP (ISO228) for the reference gauge or pressure module and 1/8-BSP (ISO228) for the unit under test. (Note: The user must provide a hose with appropriate end fittings from this port to the unit under test.)

General Information

MODEL #	ITEM #	UPC CODE	DESCRIPTION	Height	Width	Depth	Weight
Fluke-718 1G	2547148	0 95969 32764 0	Pressure Calibrator 1PSI	272 mm (10.75 in)	197 mm (7.75 in)	83 mm (3.25 in)	1.62 kg (3 lbs 9oz)
*FLUKE-718 30US	665075	0 95969 06208 4	Pressure Calibrator 30 PSI	272 mm (10.75 in)	197 mm (7.75 in)	83 mm (3.25 in)	1.62 kg (3 lbs 9oz)
*FLUKE-718 100US	665080	0 95969 06209 1	Pressure Calibrator 100 PSI	272 mm (10.75 in)	197 mm (7.75 in)	83 mm (3.25 in)	1.62 kg (3 lbs 9oz)
FLUKE-718 300G	2547153	0 95969 32765 7	Pressure Calibrator 300 PSI	272 mm (10.75 in)	197 mm (7.75 in)	83 mm (3.25 in)	1.62 kg (3 lbs 9oz)
FLUKE-717 1G	2547166	0 95969 32766 4	Pressure Calibrator 1 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 30G	662897	0 95969 05989	Pressure Calibrator 30 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 100G	1630430	0 95969 11107 2	Pressure Calibrator 100 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 300G	2547175	0 95969 32767 1	Pressure Calibrator 300 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 500G	2547182	0 95969 32768 8	Pressure Calibrator 500 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 1000G	2547194	0 95969 32769 5	Pressure Calibrator 1000 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 1500G	2547203	0 95969 32770 1	Pressure Calibrator 1500 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 3000G	2547215	0 95969 32771 8	Pressure Calibrator 3000 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)
FLUKE-717 5000G	2547232	0 95969 32773 2	Pressure Calibrator 5000 PSI	248 mm (9.75 in)	197 mm (7.75 in)	63.5 mm (2.6 in)	.86 kg (1.9 lb)

*Intrinsically Safe Version Available