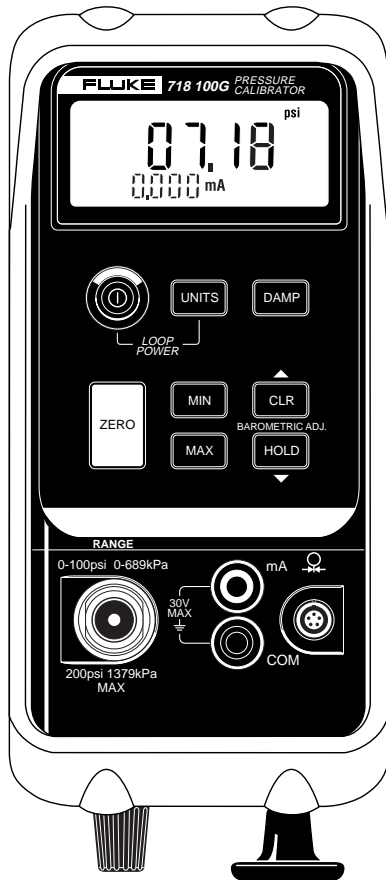


Fluke 718 30G and 100G Pressure Calibrators

Pump Up the Pressure



The new Fluke 718 Pressure Calibrator presents a fresh alternative in pressure calibration. A complete, self-contained calibration solution, the 718 offers:

- Built-in pressure/vacuum hand pump, with vernier and bleed valve
- Pressure measurement to 0.05% of full span, using an internal pressure sensor
- Pressure measurement to 10,000 psi/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 0.001 mA resolution
- 24 volt loop power supply
- Min-Max Hold functions
- Compact size and weight
- Simple, push-button user interface
- Rugged and reliable, for field use

Ordering Information

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

Included Accessories

Protective Yellow Holster, TL75 test leads, AC720 Test Clips, Users Manuals appropriate to country of destination (English, French, German, Spanish, Italian, Dutch, Norwegian, Danish, Swedish, Finnish, Portuguese, Korean, Chinese, Japanese)

Need Technical Assistance? Call:

1-800-44-FLUKE

Toll-free in the U.S.

(905) 890-7600 in Canada

(425) 356-5500 other countries

For more information to be sent to you by fax, call 1-800-FLUKE-FAX in the U.S. and Canada. Or, visit our Website at <http://www.fluke.com>

Specifications 18°C to 28°C, one year

Operating Modes

Mode
Measure pressure (using internal sensor)
Display pressure module reading (automatically selected when pressure module connected)
Measure current
Measure current and supply loop power

Pressure Specifications (internal sensor)

Pressure Input		
Range	Resolution	Accuracy
0-30 psi (207 kPa)	.001 psi (0.01 kPa)	.05% FS
0-100 psi (690 kPa)	.01 psi (0.1 kPa)	.05% FS
Temp Coeff. -10 to 18 °C, 28 to 55 °C	± .01% of range per °C	
Engineering Units (in Hg)		
PSI, in. H ₂ O (4°C), in. H ₂ O (20°C), kPa, cm H ₂ O (4°C), cm H ₂ O (20°C), BAR, mBAR, kg/cm ² , mmHg, in Hg		

Media
Gasses/liquids (non corrosive)
Overpressure
3 x F.S. on 30G 2 x F.S. on 100G

Pressure Display (external modules)

Pressure Module Readout	
Pressure range	Determined by pressure module
Resolution	5 digits
Accuracy	Determined by pressure module
Engineering Units (in Hg)	
PSI, in. H ₂ O (4°C), in. H ₂ O (20°C), Kpa, cm H ₂ O (4°C), cm H ₂ O (20°C), BAR, mBAR, Kg/cm ² , mmHg, in Hg	

Zeroing Modes

Mode	
Gage and differential	Pushing Zero button stores present pressure value as an offset and subtracts it from the displayed value
Absolute	Pushing Zero button causes nominal barometric pressure to be displayed. User corrects to actual barometric pressure with up/down keys. Difference is used as zero offset calibration.

Current Specifications

Current Measurement	
Range	0 to 24 mA
Resolution	.001 mA
mA ± 5°C	.025% Rdg ± 1 count
Temp Coeff. to 18 °C, to 55 °C	± .005% of range per °C

Input/Output

Pressure input	1/8 in. NPT pressure fitting
Pressure module input	LEMO connector
Current input	shrouded banana jacks

Loop Supply

Voltage	Nom. 24 volts
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Battery

Power	Two 9 volt alkaline batteries ANSI/NEDA 1604A or IEC 6LR619V
Battery life	4 to 20 hours, depending on functions used

Environmental and Safety Requirements

Operating temperature	-10°C to 55°C
Non-operating temperature	-40°C to 60°C
Relative humidity (%RH operating without condensation)	95% (10 to 30 °C) 75% (30 to 40 °C) 45% (40 to 50 °C) 35% (50 to 55 °C)
Size without holster	8.25 in L x 3.27 in W x 2.44 in D (210 mm L x 83 mm W x 62 mm D)
Size with holster	8.50 in L x 3.72 in W x 2.60 in D (216 mm L x 94 mm W x 66 mm D)
Weight without holster	26 oz (737g)
Weight with holster	35 oz (992g)
Vibration	Random, 2g, 5-500 Hz
Shock	1 Meter Drop test
Safety	CSA C22.2 No. 1010.1:1992
EMC	EN50082-1:1992 and EN55022:1994 Class B

Fluke. Keeping your world
up and running.