

Fluke 717, 718 and 719 Pressure Calibrators

Accurate and rugged, temperature calibration tools



Fluke 719



Fluke 719 Electric Pressure Calibrators

- 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

- 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

- Measure up to 10,000 psi/690 bar sensor (10000G 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



Fluke 718



Fluke 717

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 0.025 % of full scale with internal sensor
- Measure mA with 0.015 % accuracy and 0.001 mA resolution, while sourcing 24 V loop power

Specifications

| 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 | | | |
| 717-15G | -12 to 15 psi, -83 to 103 kPa | 0.001 psi, 0.01 kPa, 0.01 in H ₂ O | — |
| 717-30G | | | |
| 718-30G* and 719-30G | -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 |
| 717-100G | | | |
| 718-100G* and 719-100G | -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 |
| 717-300G | | | |
| 718-300G* and 719-300G | -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 |
| 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 |
| 717-10000G | 0-10000 psi, 0-69000 kPa | 1 psi, 1 kPa | Compatible with non-corrosive gases and fluids |
| Pressure accuracy | 0.035 % of range, 1 year. 0.025 % for 6 months, 717 and 718-1G: 0.05 % 6 months, 1 year, 718 and 717-300G 0.035 % 6 months, 0.05 % 1 year | | |
| 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 39.

Warranty: Three-year on calibrator, one-year on pump.

Ordering information

| Included accessories | Models | | | |
|---|-----------------|------------------------------|------------------|------------------------------|
| Test leads, alligator clips, holster, test hose (719), one 9 V alkaline battery (two 9 V batteries in 718 and 719), safety sheet. | 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 15G | 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 | FLUKE-717 10000G | Pressure Calibrator |

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

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

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



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

Recommended accessories



700ILF
In-Line Filter
See page 61



700LTP-1
Low Pressure Test Pump
See page 61



700HTP-2
Hydraulic Test Pump
See page 61



C116
Large Soft Case
See page 56

Check price and availability at www.fluke.com/wtb