

Fluke 719Pro Pressure Calibrators



Fluke 719Pro



Eliminate the hassle of hand pumping!

The new Fluke 719Pro is an exciting enhancement of the popular original 719 pressure calibrators. Notable improvements include expanding the pressure measurement range of the 100 PSI model up to 150 PSI and the addition of a 300 PSI range. The 719Pro adds a backlit display and precision temperature measurement with the addition of an accessory RTD probe available as a new accessory.

Features:

- Electric pump for one handed pressure calibration
- Best in class pressure measurement uncertainty of 0.025%
- Variable release rate bleed valve for easy pressure adjustment
- 30 PSI, 150 PSI and the long requested 300 PSI (2,10 and 20 bar) pressure ranges
- Programmable pressure calibrator pump limit eliminates over-pressurisation and allows the user to program target pressures for pumping
- Extended pressure measurement range with any of 48 750Pxx Pressure Modules
- Source mA with simultaneous pressure measurement to test valves and I/Ps
- Simulate mA signals to troubleshoot 4-20 mA loops
- Test pressure switches with built in switch test function
- Power transmitters during test using 24 V loop supply with simultaneous mA measurement

Pressure Modules

Fluke 750P Series Pressure Modules

- 48 pressure modules
- 0.025 % reference uncertainty
- 6-month and 1-year specifications
- Temperature compensated 0 °C to 50 °C
- Digital communication to calibrators, no analog losses or errors
- Broad selection of ranges
- Gage, differential, dual range, absolute and vacuum measurement models



Fluke Process Calibrators in this catalogue displaying the Pressure Enabled symbol display readings from the 750P Series Pressure Modules.

For a full list of Fluke 750P Series Pressure Modules, visit <http://sg.fluke.com/pressure>

Specifications

Pressure measurement	Range	Resolution	Accuracy	Comment
Fluke-719Pro-30G	-12 to 30 PSI /-0.8 to 2 bar	0.001 PSI, 0.0001 bar	± 0.025 % of full scale, 6 months ± 0.035 % of full scale, 1 year	Dry air and non-corrosive gas only
Fluke-719Pro-150G	-12 to 150 PSI /-0.8 to 10 bar	0.01 PSI, 0.001 bar		
Fluke-719Pro-300G	-12 to 300 PSI / -0.8 to 20 bar	0.01 PSI, 0.001 bar		
Temperature effect (all ranges)			Add ± 0.002 % F.S./°C for temps outside of 15 °C to 35 °C	No effect on accuracy on all functions from 15 °C to 35 °C
Function	Range	Resolution	Accuracy (1 year)	Comment
mA DC (simulation and measurement)	0-24 mA DC	0.001 mA	± 0.015 % of reading ± 2 counts	1000 Ohm maximum load in mA source, 26 V DC maximum voltage in mA simulate
Volts DC (measurement only)	30 V DC	0.001 V	± 0.015 % of reading ± 2 counts	No AC voltage measurement, do not exceed 30 V DC
Temperature (measurement only, Pt100 RTD)	-50 to 150 °C	0.01 °C 0.01 °F	Temperature ± 0.1 °C	± 0.25 °C combined uncertainty when using 720 RTD probe (optional accessory)
Loop power supply	24 V DC	N/A	24 mA at 24 V	
Temperature effect (all functions)			Add ± 0.002 % F.S./°C for temps outside of 15 °C to 35 °C	No effect on accuracy on all functions from 15 °C to 35 °C
Environmental				
Operating temperature	-10 °C to +50 °C			
Storage temperature (without batteries)	-20 °C to +60 °C			
Power requirements				
Battery	Eight (8) standard Alkaline AA batteries			
Battery life	300 pump cycles to 150 PSI minimum; 1000 pump cycles to 30 PSI; 100 pump cycles to 300 PSI minimum			
Physical				
Dimensions (HxWxD)	24.13 cm x 11.18 cm x 7 cm			
Weight	With holster 1.2 kg			
Connections				
Pressure	1/8 inch female NPT			
Electrical	Standard banana jacks			
RTD	4 pin miniature circular			
External module	6 pin miniature circular			