

Fluke 719Pro Pressure Calibrators



Fluke 719Pro



Integrated electric pump - now to 300 psi/20 bar

The 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.

- Electric pump for one-handed pressure calibration
- Best in class pressure measurement uncertainty of 0.02%
- 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-pressurization and allows the user to program target pressures for pumping
- Extended pressure measurement range with any of 50 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
- Three-year warranty

Pressure measurement	Range	Resolution	Accuracy
Fluke-719Pro-30G	-12 to 30 psi /-0.8 to 2 bar	0.001 psi, 0.001 bar	±0.02% of full scale, 6 months
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	

Function	Range	Resolution	Accuracy (1 year)
mA DC (simulation & measurement)	0-24 mA DC	0.001 mA	±(0.01% of reading + 2 counts)
Volts DC (measurement only)	30 V DC	0.001 V	±(0.01% of reading + 2 counts)
Temperature (measurement only, Pt100 RTD)	-50 to 150° C (-58° F to 302° F)	0.01° C (0.02° F)	Temperature ±0.1° C (0.18° F)
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 (Add ±0.004% F.S./° F for temps outside of 59° F to 95° F)

Environmental	
Operating temperature	-10° C to 50° C (14° F to 122° F)
Storage temperature (without batteries)	-20° C to 60° C (-4° F to 140° F)

Power requirements	
Battery	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	
Size (HxWxD)	24.1 x 11.2 x 7.0 cm (9.5 x 4.4 x 2.8 in)
Weight	With holster 1.2 kg (2.5 lb)

Connections	
Pressure	1/8 inch female NPT
Electrical	Standard banana jacks
RTD	4 pin miniature circular
External module	6 pin miniature circular

Pressure Modules Fluke 750 Series Pressure Modules



- 50 Pressure Modules
- 0.02% reference uncertainty
- Ranges from 1.00 in H₂O (0.24 kPa) to 10000 psi (68.94 MPa)
- Gage, differential, dual range, absolute and vacuum measurement models
- Rugged cases protect the modules from harsh environments
- Temperature compensated 0° C to 50° C



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

Recommended Accessories



720RTD
RTD Probe for 721 and 719PRO



720URTD
Universal RTD adapter for 721 and 719PRO



71XTRAP
Liquid and Dirt Trap for 718, 719 & 719PRO

Included Accessories

Test Leads with Alligator Clips, Printed User Manual/CD-ROM, Fluid Trap, Carrying Case, 1/4 inch NPT to 1/4 inch ISO Adapter, Accessory Hose Kit with (2) 1/8 inch Quick Fit Adapters and 1 meter of hose, Traceable Certificate of Calibration.

Ordering Information

FLUKE-719PRO-30G Electric Pressure Calibrator, 30PSIG

FLUKE-719PRO-150G Electric Pressure Calibrator, 150PSIG

FLUKE-719PRO-300G Electric Pressure Calibrator, 300PSIG

FLUKE-71X-TRAP Liquid & Dirt Trap for Fluke 718, 719 and 719Pro

Process Calibration Tools — Pressure Calibration

