

Intrinsically Safe Fluke 718Ex 30G, 100G, and 300G Pressure Calibrators

Pump Up the Pressure

Technical Data

The new Fluke 718Ex Intrinsically Safe Pressure Calibrator is a powerful new intrinsically safe, self contained pressure calibration solution that offers:

- ATEX II 1G Ex ia IIC T4 compliance
- I.S. Class I, Division 1 compliance
- 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 3,000 psi/200 bar using any of the 8 intrinsically safe Fluke 700PEX Pressure Modules
- Wide range of selectable measurement units for pressure
- Current measurement with 0.02 % accuracy and 0.001 mA resolution
- Pressure switch test function
- Min/Max hold functions
- Compact size and weight
- Simple, push-button user interface
- Rugged and reliable, for field use
- Pressure switch test function



Pressure specifications (internal sensor)

18 °C to 28 °C, one year

Pressure Input		
Range	Resolution	Accuracy
-12 psi to 30 psi (-82.7 kPa to 207 kPa)	.001 psi (0.01 kPa)	.05 % FS
-12 psi to 100 psi (-82.7 kPa to 690 kPa)	.01 psi (0.01 kPa)	.05 % FS
-12 psi to 300 psi (-82.7 kPa to 2068 kPa)	.01 psi (0.01 kPa)	.05 % FS
Temp Coeff. -10 °C to 18 °C, 28 °C 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 (non corrosive)		
Overpressure		
3 x F.S. on 30G 2 x F.S. on 100G 375 PSI on 300G		

Ordering information

Model

Fluke-718Ex 30G Pressure Calibrator
Fluke-718Ex 100G Pressure Calibrator
Fluke-718Ex 300G Pressure Calibrator

Included accessories

Protective red holster, TL75 test leads, AC72 test clips, CD users manuals (English, French, German, Spanish, Italian, Dutch, Norwegian, Danish, Swedish, Finnish, Portuguese, Korean, Chinese, Japanese), Fluke 718Ex CCD control drawing



I.S. Class I Div 1 Groups A-D T4
AEx ia IIC T4



II 1 G Ex ia IIC T4
KEMA 04 ATEX 1061

Ta = -10 °C to +55 °C

