

718Ex

CERTIFICATION



Ⓜ II 1G EEx ia IIC T4



I.S. Class 1 Div. 1 Groups A-D, T4

EFFICIENT

The Fluke 718Ex is a particularly handy and practical tool for pressure measurements and calibration. With its internal pressure sensor and pressure pump, it can be used on its own without an external pump.

The pressure range can easily be extended to 200 bar with each of the 8 FLUKE 700PEX Pressure Modules.

Pressure Calibrator **FLUKE 718Ex** FOR ZONE 0

FEATURES & FUNCTIONS

- 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 200 bar using any of the 8 intrinsically-safe 700PEX Pressure Modules
- Wide range of selectable measurement units for pressure
- Pressure switch test function
- Min/Max hold functions

STANDARD DELIVERY

- 718Ex
- Ex-holster
- Test leads
- Test clips
- Batteries
- CD-ROM
- Factory calibration certificate
- Instruction manual

PRESSURE SPECIALIST

ZONE 0 / CLASS I DIV. 1



ACCESSORIES

ARTICLE NO.	PRODUCT DESCRIPTION
A000...	Intrinsically safe pressure modules from the 700PEX series
A0004100	DKD calibration
A0004101	WKS calibration

TECHNICAL DATA

Ambient temperature	-10 °C to +55 °C
Storage temperature	-40 °C to +60 °C
Pressure input	1/8 in. NPT pressure fitting
Pressure module input	LEMO connector
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)
Power supply	1x 6LR61, type approved
Operating time	4 to 20 hours, depending on functions used
Dimensions (HxWxD)	216 x 94 x 66 mm (with holster)
Weight	992 g (with holster)

Measure current	Model	Range	Resolution	Accuracy
	718Ex- 30G, 100G or 300G	0 - 24 mA	0.001 mA	0.02 % rdg ± 2 digits

Temp Coeff. -10 to 18 °C, 28 to 55 °C: ± 0.005 % of range per °C

Source pressure	Model	Range
Using built in pump	718Ex 30G / 718Ex 100G / 718Ex 300G	-830 mbar to 2 bar/-830 mbar to 7 bar/-830 mbar to 20 bar

Specifications [Summary Specifications (18 °C to 28 °C, one year)]

Measure pressure	Model	Range	Resolution	Accuracy	Over pressure	Media
Mit internem Druckmodul	718Ex-30G	-830 mbar to 2 bar	0.0001 bar	0.05 % FS	3x FS	Non corrosive gases
	718Ex-100G	-830 mbar to 7 bar	0.001 bar	0.05 % FS	2x FS	Non corrosive gases
	718Ex-300G	-830 mbar to 20 bar	0.001 bar	0.05 % vFS	25 bar	Non corrosive gases
Using internal pressure module	718Ex 30G or 30G, 100G or 300G	up to 200 bar	Depending pressure module (see detailed specification)			

Temp Coeff. -10 to 18 °C, 28 to 55 °C: ± 0.01 % of range per °C

Supported pressure units PSI, in. H2O (4 °C), in. H2O (20 °C), kPa, cm H2O (4 °C), cm H2O (20 °C), bar, mbar, kg/cm2, mmHg, inch Hg

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