

# 718 Ex

## 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 718 Ex** 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

## EMEA

### Germany (Headquarters) <sup>1</sup>

ecom instruments GmbH  
Industriestraße 2  
97959 Assamstadt  
Phone +49 62 94 42 24-0  
Fax +49 62 94 42 24-100  
sales@ecom-ex.com

<sup>1</sup> also responsible for Austria

### Benelux <sup>2</sup>

ecom instruments BV  
Watertoren 45c  
3247 CL Dirksland, Netherlands  
Phone +31 1 87 60 59 16  
Fax +31 1 87 60 33 47  
info.nl@ecom-ex.com

<sup>2</sup> also responsible for Belgium and Luxembourg

### France <sup>3</sup>

ecom Nied sarl  
4 Rue Ettore Bugatti  
67201 Eckbolsheim  
Phone +33 3 88 76 46 84  
Fax +33 3 88 76 02 85  
info.fr@ecom-ex.com

<sup>3</sup> also responsible for Algeria, Egypt, Morocco, Libya and Tunisia

### Italy

ecom instruments srl  
Via Gandhi, 15 Galleria  
20017 Rho (MI)  
Phone +39 02 93 90 92 16  
Fax +39 02 93 90 62 97  
info.it@ecom-ex.com

### Switzerland

ecom instruments GmbH  
Merkurstraße 2  
6210 Sursee  
Phone +41 4 19 21 60 00  
Fax +41 4 19 22 00 08  
info.ch@ecom-ex.com

### United Kingdom

ecom instruments ltd  
A310, The Wilton Centre,  
Redcar, TS10 4RF  
United Kingdom  
Phone +44 1642 46 54 00  
Fax +44 1642 46 54 02  
info.uk@ecom-ex.com

### Nordics

ecom instruments GmbH  
Postbox 304  
2970 Hørsholm  
Denmark  
Phone +45 28 252 575  
info.nordics@ecom-ex.com

### Middle East

ecom instruments fze  
P.O. Box 8918  
Saif-Zone, Sharjah, UAE  
Phone +971 6 5 57 34 30  
Fax +971 6 5 57 34 31  
info.uae@ecom-ex.com

## Americas

### USA

ecom instruments Inc.  
1779 Westborough Drive, Suite 102  
Katy, Texas 77449  
Phone +1 281 496 59 30  
Fax +1 281 496 23 21  
info.us@ecom-ex.com

## Asia

### South East Asia

ecom instruments (SEA) Pte Ltd.  
12 Arumugam Road  
#05-11 Lion Building B  
Singapore 409958  
Phone +65 61 00 33 29  
Fax +65 63 99 33 29  
info.sg@ecom-ex.com



Find your local ecom partner at [www.ecom-ex.com](http://www.ecom-ex.com)