

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 04ATEX1061 X** Issue Number: **4**

(4) Product: **Hand-Held Pressure Calibrator Model 718Ex**

(5) Manufacturer: **Fluke Corporation**

(6) Address: **6920 Seaway Blvd Everett, WA 98203, United States**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number 213039800, issue 3.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2006

EN 60079-11 : 2007

EN 60079-26 : 2007

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 1 G Ex ia IIC T4

Date of certification: 4 October 2017

DEKRA Certification B.V.

L.G. van Schie
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 04ATEX1061 X**

Issue No. 4

(15) **Description**

The hand-held pressure calibrator model 718Ex is used to calibrate pressure to current transmitters powered by an intrinsically safe source. The pressure modules are powered by model 718Ex and feedback a pressure reading.

Ambient temperature range -10 °C to +55 °C.

Electrical data

Internal supply and measurement circuit:

in type of protection intrinsic safety Ex ia IIC

The circuit may only be powered by 9V alkaline battery of one of the following types:

- Duracell 6LR61/MN1604 or 6LR61/MX1604

- Eveready 6LR61/522

Current input circuit:

in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 30 \text{ V}$; $I_i = 250 \text{ mA}$; $P_i = 1,88 \text{ W}$; $C_i = 0 \text{ }\mu\text{F}$; $L_i = 0 \text{ mH}$;

in type of protection intrinsic safety Ex ia 110, with the following maximum values:

$U_o = 7,14 \text{ V}$; $I_o = 1,09 \text{ mA}$; $P_o = 1,9 \text{ mW}$;

C _o			L _o		
IIC	IIB	IIA	IIC	IIB	IIA
13,5 μF	240 μF	1000 μF	1 H	3 H	8 H

Pressure module output circuit:

in type of protection intrinsic safety Ex ia IIC, with following maximum values:

$U_o = 7,14 \text{ V}$; $I_o = 102 \text{ mA}$; $P_o = 182 \text{ mW}$;

C _o			L _o		
IIC	IIB	IIA	IIC	IIB	IIA
13,5 μF	240 μF	1000 μF	3,4 mH	10,2 mH	27,2 mH

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 213039800, issue 3.

(17) **Specific conditions of use**

For ambient temperature range and electrical data, see (15).

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 04ATEX1061 X**

Issue No. 4

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 213039800, issue 3.

(20) **Certificate history**

Issue 1 - 207070800	Initial certificate
Issue 2 - 210875400	Addition of a 300 psi (20.68 bar) variation, Revised drawings with updating marking to reflect various certifications
Issue 3 - 213039800	Updated according to standards mentioned above, Company address has changed, Label updated
Issue 4 - 381957700	Updated construction for RoHS compliance, excluding an alternative battery and updated certificates and drawings from Martel Electronics Corp. to Fluke.