



(1) **Supplement No. 1 to
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

FTZÚ 12 ATEX 0092

(4) Equipment or protective system: **Flowmeter type FLOW 33Ex ia**

(5) Manufacturer: **COMAC CAL s.r.o.**

(6) Address: **Třanovice 239, 739 53 Třanovice, Czech Republic**

(7) This supplement of certificate is valid for: - modification of certified apparatus

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

EN 60079-0:2009, EN 60079-11:2012, EN 50303:2000

(11) Marking of equipment shall contain symbols:

 **I M1 Ex ia I Ma**

(12) This type examination certificate is valid till: **26.09.2017**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 13.02.2013

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Physical Technical Testing Institute

Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 1 to EC-Type Examination Certificate N° FTZÚ 12 ATEX 0092

(15) Description of Equipment or Protective System:

New variant of current output, active current loop 0,2-1mA.

The apparatus is equipped either with passive current loop 4-20mA or with active current loop 0,2-1mA. The printed circuit board of related current loop is replaced in the construction of apparatus.

Intrinsically safe parameters:

Current loop 0.2-1mA, active: pin 5, 6

$U_o = 25.2 \text{ V}$, $I_o = 8.8 \text{ mA}$, $P_o = 0.0552 \text{ W}$, $C_o = 2.2 \text{ } \mu\text{F}$, $L_o = 300 \text{ mH}$

Other technical parameters and construction of apparatus remain unchanged.

(16) Report No.: 12/0092/1

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

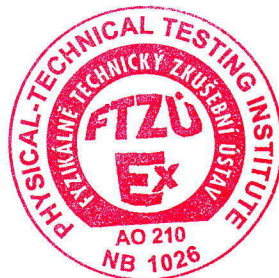
Essential health and safety requirement of Directive 94/9/EC are covered by the standards mentioned in clause (10) of this supplement according which the new model was verified and in the manufacturer's Instruction for Using.

(19) List of Documentation:

<i>Document name/Drawing:</i>	<i>Date:</i>	<i>Nr. of Pages:</i>
FLOW 33Ex ia Installation and Technical Conditions (Manual)	05.12.2012	17
SM01	05.12.2012	1
SM01_a	05.12.2012	1
Loop1mA_OSZ	05.12.2012	1
Loop1mA_OSZ1	05.12.2012	1
ia_RJB 01_a	05.12.2012	3

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