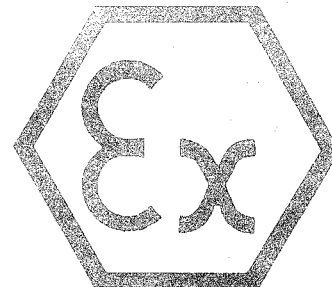




Institut Scientifique de Service Public



(1)

## EC TYPE EXAMINATION CERTIFICATE

(2)

### Equipment or protective system intended for use in potentially explosive atmospheres Directive 94/9/EC

(3) EC type examination certificate number: **ISSeP03ATEX087X**

(4) Equipment or protective system:  
Pressure Transducer type MT3

(5) Applicant – Manufacturer – ~~Authorized representative in the Community:~~  
ENDRESS + HAUSER GmbH + Co. KG

(6) Address: Hauptstrasse 1  
D - 79689 MAULBURG

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

(8) ISSeP, notified body n° 492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in annex II to the Directive.


The examination and test results are recorded in confidential report n° 03180.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN 50014 : 1997 + A1 and A2 : 1999  
EN 50020 : 2002  
EN 50284 : 1999  
EN 50281-1-1 : 1998 + A1 : 2002

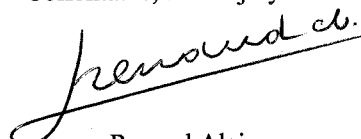
(10) If the symbol "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following indications:

 II 1/2 GD      EEx ia II C T6  
IP 65          T90°C

Colfontaine, the 29 July 2003



Renaud Alain  
Manager of Colfontaine division

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This certificate may only be reproduced in its entirety and without any change, schedule included

(13)

## SCHEDULE

(14)

### EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP03ATEX087X

(15) Description of the equipment or protective system:

Pressure transducer type MT3.

The transducer can be equipped with different model of connector or an integral cable.

Electrical parameters

$U_i \leq 30 \text{ V}$

$I_i \leq 250 \text{ mA}$

$P_i \leq 750 \text{ mW}$

$L_i = 3 \text{ } \mu\text{H}$  (without cable)

$C_i = 3.5 \text{ nF}$  (without cable)

Routine tests :

The manufacturer shall make the routine verifications and tests necessary to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype or sample (EN 50014 - clause 24).

Eventual prescriptions :  $T_a$  : -20°C to +65°C

(16) Report n° 03180

Composed in total of 31 pages, completed by the following descriptive documents

- "MT3 Technical Description" of 22.07.2003 (4 pages)
- "Transducer MT 3 Safety Instructions" n° XA 258P-A (3 pages)

The drawings:

Number	Rev	Date	Description
960550-0000		08.07.2003	Transducer MT 3
960550-0001		15.07.2003	Typenschild MT3 ATEX
960550-0002	A	08.07.2003	MT3 Stromkonverter / Current Converter
960550-0003	A	08.07.2003	Assembly Plan ss/cs MT3
960550-0004	A	08.07.2003	Conductive Patern ss/cs MT3
960550-0005		24.06.2003	MT-3 Traegerplatine / Mainboard
960550-0006		24.06.2003	Assembly Plan ss/cs MT-3
960550-0007		24.06.2003	Conduktive Pattern ss/cs MT-3
960550-0008		14.07.2003	Sensor D17.5
960550-0009		11.07.2003	Hybrid Kaveen Schaltplan
960550-0010		08.07.2003	Hülse
960550-0011		08.07.2003	Abdeckkappe
960550-0012		29.04.2003	Abdeckkappe

## **SCHEDULE**

### **EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP03ATEX087X**

(17) Special conditions for safe use:

Symbol X

The connector or the cable entry shall maintain the IP65 degree.

(18) Essential Health and Safety Requirements: covered by the Standards listed in (9).

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