

AMENDMENT 1

to Type Examination Certificate KEMA 03ATEX1404 X

Manufacturer: **Invensys Systems Incorporated**

Address: **33 Commercial Street, Foxboro, MA 02035, U.S.A.**

Description

In future, the Coriolis Massflow Transmitter type CFT50 may also be manufactured in accordance with the documentation listed below.

This includes the following new types: CFT50-B1.B..T-..
CFT20-B1.A..T-..
CFT20-B1.B..T-..

Type CFT50 of the original approval becomes:
CFT50-B1.A..T-..

The marking of the original approval also applies to the new types.

The electrical data has been changed as shown below.

Electrical data

Supply circuit For types CFT50-B1.B..T-.. and CFT20-B1.B..T-..
(terminals 11, 12 and GND) Supply voltage and power: 24 Vdc nominal, 12 W.

For types CFT50-B1.A..T-.. and CFT20-B1.A..T-..
Supply voltage and power: 100..240 Vac nominal, 15 W

All other data remain unchanged.

The other data of type CFT50 also apply to types CFT50-B1.B..T-.., CFT50-B1.A.T-.., CFT20-B1.B..T-.. and CFT20-B1.A..T-..

Test documentation

| | <u>dated</u> |
|--|--------------|
| Drawing Number 10111TA, Rev. A (15 sheets) | 15.07.2003 |
| D0164YD, Rev.D | 14.07.2003 |
| L0123GA, Rev.A (2 sheets) | 29.07.2003 |
| Parts list L0123GA (3 sheets) | 29.07.2003 |
| 10137CF, Rev. A (13 sheets) | 03.10.2003 |
| B0189XP, Rev. A | 12.09.2003 |

Arnhem, 3 December 2003
KEMA Quality B.V.



C.G. van Es
Certification Manager

AMENDMENT 1

to EC-Type Examination Certificate KEMA 03ATEX1405 X

Manufacturer: **Invensys Systems Incorporated**

Address: **33 Commercial Street, Foxboro, MA 02035, U.S.A.**

Description

In future, the Coriolis Massflow Transmitter type CFT50-B1....M. and type CFT50-B1....Q. may also be manufactured in accordance with the documentation listed below.

This includes the following new types: CFT50-B1.B..M-.. CFT20-B1.A..Q-..
CFT50-B1.B..Q-.. CFT20-B1.B..M-..
CFT20-B1.A..M-.. CFT20-B1.B..Q-..

The marking for type CFT50-B1.B..M-.., CFT20B1.A..M-.. and CFT20-B1.B..M-.. includes the same as applicable to type CFT50-B1....M. .

The marking for type CFT50-B1.B..Q-.., CFT20B1.A..Q-.. and CFT20-B1.B..Q-.. includes the same as applicable to type CFT50-B1....Q. .

The electrical data has been changed as shown below.

Electrical data

Supply circuit For types CFT50-B1.B..M-.., CFT50-B1.B..Q-..,
(terminals 11, 12 and GND) CFT20-B1.B..M-.. and CFT20-B1.B..Q-..
Supply voltage and power: 24 Vdc nominal, 12 W
 $U_m = 253 \text{ Vac}$

For types CFT20-B1.A..M-.. and CFT20-B1.A..Q-..
Supply voltage and power: 100..240 Vac, 15 W
 $U_m = 253 \text{ Vac}$

All other data remain unchanged.

The other data of type CFT50-B1....M also apply to types CFT50-B1.B..M-.. and CFT20-B1.B..M-.. .

The other data of type CFT50-B1....Q also apply to types CFT50-B1.B..Q-.., CFT20-B1.A..Q-.. and CFT20-B1.B..Q-.. .

Test documentation

1. Type Examination Certificate KEMA 03ATEX1404 X dated
2. Drawing Number 10137CF, Rev. A (13 sheets) 03.10.2003
B0189XP, Rev. A 12.09.2003

Arnhem, 3 December 2003
KEMA Quality B.V.



C.G. van Es
Certification Manager

[2060700]

AMENDMENT 1

to Type Examination Certificate KEMA 03ATEX1407 X

Manufacturer: **Invensys Systems Incorporated**

Address: **33 Commercial Street, Foxboro, MA 02035, U.S.A.**

Description

In future, the Flow Sensor of the CFS10 and CFS20 series may also be connected to the Flow Transmitter of the CFT20 series.

Electrical data

Sensor circuits Only for connection to the Flow Transmitter of the CFT20 or CFT50 series, certified per KEMA 03ATEX1404 X.

All other data remain unchanged.

Test documentation

Type Examination Certificate KEMA 03ATEX1404 X

Arnhem, 3 December 2003
KEMA Quality B.V.



C.G. van Es
Certification Manager

AMENDMENT 1

to EC-Type Examination Certificate KEMA 03ATEX1408 X

Manufacturer: **Invensys Systems Incorporated**

Address: **33 Commercial Street, Foxboro, MA 02035, U.S.A.**

Description

In future, the Coriolis Massflow Tubes of the CFS10-....MMM-. and CFS20-....MMM-. series may also be connected to the Coriolis Massflow Transmitter of the CFT20 series.

Electrical data

Sensor circuits in type of explosion protection intrinsic safety EEx ib IIB,
(terminals 1 .. 12 in the only for connection to the intrinsically safe circuits of the
junction box) Coriolis Massflow Transmitter of the CFT20 or CFT50 series
as approved per EC-Type Examination Certificate
KEMA 03ATEX1405 X.

All other data remain unchanged.

Test documentation

EC-Type Examination Certificate KEMA 03ATEX1405 X

Arnhem, 3 December 2003
KEMA Quality B.V.



C.G. van Es
Certification Manager