



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
 Directive 94/9/EC

3 Supplementary EC - Type **Baseefa04ATEX0215X/3**
 Examination Certificate Number:

4 Equipment or Protective System: **Xmt-T-HT**

5 Manufacturer: **Rosemount Analytical Inc.**

6 Address: **2400 Barranca Parkway, Irvine, California 92606, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa04ATEX0215X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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

Baseefa Customer Reference No. 0911

Project File No. 06/0502

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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Registered in England No. 4305578 at the above address



R. S. SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

14

Certificate Number Baseefa04ATEX0215X/3

15 Description of the variation to the Equipment or Protective System

Variation 3.1

To permit the following changes:

- an alternative LCD module for the Xmt-T-HT, as used on the Xmt-FF/FI product line.
- minor mechanical changes to the enclosure which do not affect the original assessment.
- minor electrical changes to the PCBs which do not affect the original assessment.

16 Report Number

06(C)0502

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
1700619	1 to 5	A	12.01.05	Certified Product Schematic, PCB, SoluComp XMT-T-HT
1700622	1 of 1	B	12.01.05	Certified Product Assy, PCB, SoluComp XMT-T-HT
33884-00	1 of 1	B	08.23.05	PCB, SoluComp, XMT-T-HT
33950-00	1 of 1	A	12.09.05	PCB, SoluComp, XMT-T-HT
33950-00	1 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Top Silk
33950-00	2 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Bot Silk
33950-00	3 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Target
33950-00	4 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Bot Paste
33950-00	5 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Top Paste
33950-00	6 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Bottom
33950-00	7 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, GND1
33950-00	8 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, +5V
33950-00	9 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Top
33950-00	10 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Top Mask
33950-00	11 of 11	A	11.08.05	PCB, SoluComp, XMT-T-HT, Bottom Mask
1700596	1 of 1	B	11.01.05	Certified Product Assy, PCB, SoluComp XMT-T-FF
1700597	1 of 1	B	11.01.05	Certified Product Assy, PCB, SoluComp XMT-T-FI
33945-00	1 of 1	B	06.02.05	PCB, SoluComp, XMT-T-FF-FI



Number	Sheet	Issue	Date	Description
33945-00	1 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Top Silk
33945-00	2 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Bot Silk
33945-00	3 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Target
33945-00	4 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Bot Paste
33945-00	5 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Top Paste
33945-00	6 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Bottom
33945-00	7 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, GND1
33945-00	8 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, +5V
33945-00	9 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Top
33945-00	10 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Top Mask
33945-00	11 of 11	B	02.01.06	PCB, SoluComp, XMT-T-FF-FI, Bottom Mask
33633-00*	1 & 2	J	09.27.05	Enclosure, Front Pipe Mount
33636-00*	1 & 2	L	09.20.05	Enclosure, Panel Mount

* Common to Baseefa04ATEX0214X/2 and held with Baseefa04ATEX0213X/2



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3 Supplementary EC - Type Examination Certificate Number: **Baseefa04ATEX0215X/2**

4 Equipment or Protective System: **Xmt-T-HT**

5 Manufacturer: **Rosemount Analytical Inc.**

6 Address: **2400 Barranca Parkway, Irvine, California 92606, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa04ATEX0215X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. 0911

Project File No. 05/0120

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Schedule

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Certificate Number Baseefa04ATEX0215X/2

15 Description of the variation to the Equipment or Protective System

Variation 2.1

To permit changes to the input circuitry for Fieldbus or FISCO connections, creating the models Xmt-T-FF and Xmt-T-FI.

16 Report Number

05(C)0120

17 Special Conditions for Safe Use

None additional to those listed previously

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
1700526	1 of 1	A	10/06/2004	Mod XMT-T-FF-10 XMTR I.S.
1700528	1 of 1	A	10/06/2004	Mod XMT-T-FF-11 XMTR I.S.
1700579	1 of 1	A	10/06/2004	Mod XMT-T-FI-10 XMTR I.S.
1700580	1 of 1	A	10/06/2004	Mod XMT-T-FI-11 XMTR I.S.
1700596	1 of 1	A	10/06/2004	Assembly, PCB, Solu Comp XMT T-FF
1700597	1 of 1	A	10/06/2004	Assembly, PCB, Solu Comp XMT T-FI
1700598	1 of 5	A	10/06/2004	Schematic, PCB, Solu Comp XMT T-FF-FI
33945-00	1 of 1	A	11/18/2004	PCB, Solu Comp XMT T-FF-FI
33831-02	1 of 1	B	02/18/2004	Cover, PCB Solu Comp XMT T
33633-00*	1 & 2	H	08-10-04	Enclosure, Front Pipe Mount
33634-00/01*	1 & 2	L	09-10-04	Enclosure, Rear Pipe Mount
33635-00*	1 of 1	G	03-08-00	Cover, Panel Mount Enclosure
33636-00*	1 of 1	J	03-03-00	Enclosure, Panel Mount
9080140*	1 & 2	A	04-30-96	XMFR, Driver PCB CPU
9080161*	1 & 2	D	08-08-02	XFMR, Power Supply 5081 Analog
9080168*	1 & 2	B	11/11/2002	XFMR, Power Supply, 5081T Analog
9010391*	1 to 6	C	11-16-04	ST Display, LCD Module
9010399*	1 to 6	A	01-24-05	ST Display, LCD Module, 16x2 Character
70025-00*	1 of 1	B	05/06/2004	PCB, Fieldbus Square Card

* These drawings are common to and held with Baseefa04ATEX0213X/1



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Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa04ATEX0215X/1**

4 Equipment or Protective System: **Xmt-T-HT**

5 Manufacturer: **Rosemount Analytical Inc.**

6 Address: **2400 Barranca Parkway, Irvine, California 92606, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa04ATEX0215X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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Baseefa Customer Reference No. 0911

Project File No. 04/0818

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Schedule

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Certificate Number Baseefa04ATEX0215X/1

15

Description of the variation to the Equipment or Protective System

Variation 1.1

To permit the following changes:

- The enclosure to be made with LEXAN polycarbonate.
- The use of the Model 242 toroids.

16

Report Number

04(C)0818

17

Special Conditions for Safe Use

None additional to those listed previously

18

Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19

Drawings and Documents

Number	Sheet	Issue	Date	Description
33633-00	1 & 2	H	08-10-04	Enclosure, front pipe mount
33634-00/01	1 & 2	L	09-10-04	Enclosure, rear pipe mount
1700456	1 to 3	B	09-22-94	Certified, product toroidal snsr mod 245
1700461	1 to 3	-	04-10-03	Certified product dwg toroidal sensor Model 242
9080158	1 & 2	E	07-09-03	Toroid, 4" w/tap
9080165	1	C	07-09-03	Toroid, 4" 20 turns w/core



1 **EC - TYPE EXAMINATION CERTIFICATE**

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3 **Directive 94/9/EC**

4 EC - Type Examination Certificate Number: **Baseefa04ATEX0215X**

5 Equipment or Protective System: **Xmt-T-HT**

6 Manufacturer: **Rosemount Analytical Inc.**

7 Address: **2400 Barranca Parkway, Irvine, California 92606, USA**

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

9 Baseefa (2001) Ltd. Notified body number 1180, 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 No. **04(C)0110**

10 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amendments 1 & 2 EN 50020: 2002 EN 50284: 1999

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

11 If the sign "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.

12 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

13 The marking of the equipment or protective system shall include the following :

⊕ II 1 G EEx ia IIC T4 (-20°C ≤ Ta ≤ +50°C)

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Baseefa (2001) Ltd. Customer Reference No. 0911

Project File No. 04/0112

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Schedule

14

Certificate Number Baseefa04ATEX0215X

15 Description of Equipment or Protective System

The Xmt-T-HT is designed to convert an electrical signal from an integral toroidal sensor into a 4-20mA HART compatible signal. The apparatus consists of a printed circuit board, terminal facilities and a liquid crystal display and keypad, all housed in a plastic enclosure.

To designate HART protocol compatibility, it has the designation suffix -HT.

Input parameters

Terminal Block 2, terminals 1 – 3

U_i	=	30V	C_i	=	1000pF
I_i	=	200mA	L_s	=	0
P_i	=	0.9W			

16 Report Number

04(C)0112

17 Special Conditions for Safe Use

The plastic enclosure, excluding the front panel, must only be cleaned with a damp cloth.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
1700456	1 to 3	A	02.02.04	Toroidal sensor Mod 245
1700459	1	A	04.10.03	Toroidal sensor Mod 225/226/228
1700460	1	B	02.02.04	Toroidal sensor Mod 222
1700461	1 to 3	B	02.02.04	Toroidal sensor Mod 242
1700525	1	A	01.22.04	G.A., Xmt-T-HT-10
1700527	1	A	01.22.04	G.A., Xmt-T-HT-11
1700530	1 to 5	A	01.05.04	Schematic
1700531	1	A	01.05.04	PCB Assembly
9080047	1	D	04.06.92	Toroid, core 1.075 OD
9080054	1	D	05.29.96	Toroid, transformer 1in sensor
9080058	1	C	05.29.96	Toroid, transformer 2in sensor
9080117	1	C	05.23.96	Toroid, core, Al with epoxy coat
9080140	1 to 2	A	04.30.96	Transformer, driver
9080156	1	A	07.11.00	Toroid, 8002 core with epoxy coat Al case
9080157	1 to 2	E	09.09.03	Toroid, 2" with tap



Number	Sheet	Issue	Date	Description
9080164	1	C	09.09.03	Toroid, 2", 20 turns with core
9080168	1 to 2	B	11.11.02	Transformer
9240895	1	E	02.02.04	Cable label
33633-00	1 to 2	G	03.08.00	Enclosure, front pipe mount
33634-00/01	1 to 2	K	08.14.03	Enclosure, rear pipe mount
33635-00	1	G	03.08.00	Cover, panel mount enclosure
33636-00	1 to 2	J	03.03.00	Enclosure, panel mount
33670-01	1 to 4	C	07.23.03	Overlay
33831-02	1	A	12.11.03	PCB cover
33884-00	1	A	01.23.04	PCB
400XMT27	1	A	01.30.04	Model Xmt-T
9080077 thru 80	1	L	02.09.93	Toroid with core, 2 wire mod 221-222-224
9080105 thru 9080114	1	G	05.21.93	Toroid coil. Mod 226
9241411-01	1 to 2	B	02.02.04	Flow-thru sensor mod 242 label