

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 Examination Certificate Number: **BAS01ATEX2200X/9**
4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
5 Manufacturer: **Teledyne Analytical Instruments a business unit of Teledyne Instruments Inc. (formerly Teledyne Instruments, Analytical Instruments)**
6 Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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.

8 Item 9 of the original Certificate is replaced by “Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 EN 60079-11:2012

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

9 The marking of the equipment has changed from the original Certificate and shall include the following:

Ⓢ II 2(1)G Ex ia IIC T4 Gb

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. **1081**

Project File No. **13/0466**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.baseefa.com/terms-and-conditions.asp>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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e-mail info@baseefa.com web site www.baseefa.com
Registered in England No. 4305578.
Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

R S SINCLAIR
GENERAL MANAGER
On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa01ATEX2200X/9

15 Description of the variation to the Equipment or Protective System

Variation 9.1

To confirm that the Oxygen Measuring Transmitter Type Insta Trans has been assessed against EN60079-0:2012 and EN60079-11:2012 in respect to the differences from EN60079-0:2006, EN60079-11:2007 and EN 60079-26:2007 and that none of these differences, with the exception of the marking, affect this equipment.

The equipment will now be marked:

⊕ II 2(I)G Ex ia IIC T4 Gb 0°C ≤Ta ≤+50°C

16 Report Number

None.

17 Specific Conditions of Use

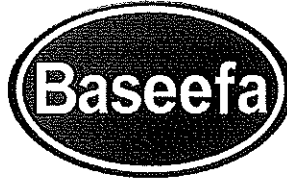
None additional to those listed previously

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
B-73993	-	2	5/31/13	ATEX TAG Model 3001 Insta Trans



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 Examination Certificate Number: **BAS01ATEX2200X/8**
- 4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
- 5 Manufacturer: **Teledyne Analytical Instruments a business unit of Teledyne Instruments Inc. (formerly Teledyne Instruments, Analytical Instruments)**
- 6 Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748, USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

Baseefa Customer Reference No. 1081

Project File No. 12/0800

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

A handwritten signature in black ink, appearing to read "R S Sinclair".

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e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number BAS01ATEX2200X/8

15 Description of the variation to the Equipment or Protective System

Variation 8.1

To permit a component change and a change to the name of the certificate holder.

16 Report Number

None.

17 Specific Conditions of Use

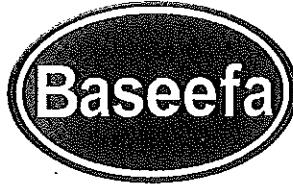
None additional to those listed previously

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
D73996	1 & 2	5	08/16/12	PCB Assembly 4-20mA Oxygen Transmitter (ATEX)
D-73996A	1	5	8/16/12	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996B	1	5	8/16/12	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996C	1	5	8/16/12	PCB Assembly 3001 Insta Trans ATEX PCB



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 Examination Certificate Number: **BAS01ATEX2200X/7**
- 4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
- 5 Manufacturer: **Teledyne Instruments, Analytical Instruments**
- 6 Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748, USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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. 1081

Project File No. 11/0989

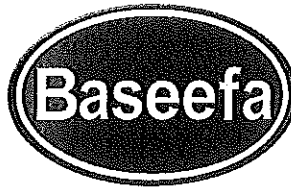
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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number BAS01ATEX2200X/7

15 Description of the variation to the Equipment or Protective System

Variation 7.1

To permit previously assessed sensors and electronic subassemblies to be used in a different combination and to permit a minor electrical change.

16 Report Number

None.

17 Specific Conditions of Use

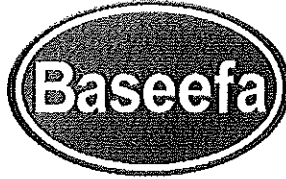
None additional to those listed previously

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
C-73994	1 to 3	3	12/8/11	Model 3001 (ATEX) Insta Trans Unit Assembly Intrinsically Safe Version
B-84882	1	1	1/3/12	PCB Modification A-5 Sensor Option PCB Ass'y D73996-A



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 Examination Certificate Number: **BAS01ATEX2200X/6**
- 4** Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
- 5** Manufacturer: **Teledyne Instruments, Analytical Instruments**
- 6** Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748, USA**
- 7** This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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. **1081**

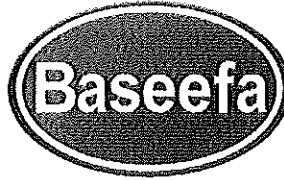
Project File No. **10/0677**

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

A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

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Schedule

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Certificate Number BAS01ATEX2200X/6

15 Description of the variation to the Equipment or Protective System

Variation 6.1

To permit the introduction of a variant named the Insta Trans-CV.

16 Report Number

10(C)0677

17 Special Conditions for Safe Use

None additional to those listed previously.

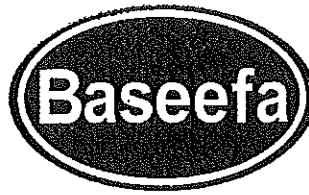
18 Essential Health and Safety Requirements

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

19 Drawings and Documents

The following drawings are applicable to the Insta Trans-CV:-

Number	Sheet	Issue	Date	Description
B-84452	1	1	10/8/10	PCB Modification A-5 Sensor Option PCB Ass'y D73996C
B-84454	1	4	1/18/11	Subassembly Insta Trans Electronics Model Insta Trans-CV
B-84882	1	0	10/13/10	PCB Modification A-5 Sensor Option PCB Ass'y D73996A
B-85198	1	0	1-24-11	Conector/Cable Assembly Model Insta Trans-CV
C-83454	1	5	04-5-11	Final Assembly Insta Trans-CV Remote Control Unit
C-84366	1	1	1/11/11	Model Insta Trans-CV Transmitter Unit ATEX Cell Body Assembly
C-84367	1	3	04/04/11	Final Assy Insta Trans-CV 150lb FF Mount Analysis Unit
D84369	1	3	4/5/11	3001 Insta Trans-CV Remote Sensor Outline



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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3 **Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2200X/5**
- 4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
- 5 Manufacturer: **Teledyne Instruments, Analytical Instruments**
- 6 Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748, USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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. 1081

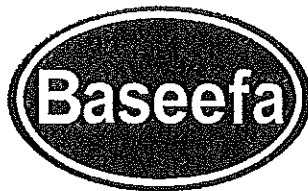
Project File No. 10/0306

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number BAS01ATEX2200X/5

15 Description of the variation to the Equipment or Protective System

Variation 5.1

To permit minor mechanical and electrical changes that do not affect the original intrinsic safety assessment.

16 Report Number

None.

17 Special Conditions for Safe Use

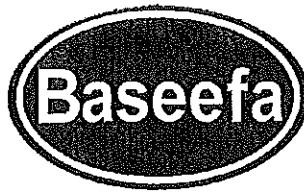
None additional to those listed previously

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
B-84120	1	0	03/25/10	Modification Detail Cell Holder Model 3001 Insta-Trans
C-73994	1 to 3	2	5/12/10	Model 3001 (ATEX) Insta Trans Unit Assembly Intrinsically Safe Version
C-73998	1	2	10/12/10	Model 3001 (ATEX) Insta Trans Unit Cell Body Assembly
D-73889	1 to 3	4	1/28/10	Schematic Diagram ATEX PCB Set Model 3001 Insta Trans
D73996	1 & 2	4	01/28/10	PCB Assembly 4-20mA Oxygen Transmitter (ATEX)
D-73996A	1	4	1/28/10	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996B	1	4	1/28/10	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996C	1	4	1/28/10	PCB Assembly 3001 Insta Trans ATEX PCB



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 Examination Certificate Number: **BAS01ATEX2200X/4**
- 4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
- 5 Manufacturer: **Teledyne Instruments, Analytical Instruments**
- 6 Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748,
USA**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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. 1081

Project File No. 08/0334

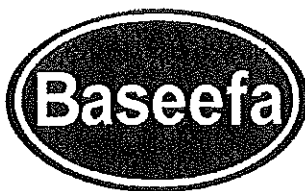
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Baseefa

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number BAS01ATEX2200X/4

15 Description of the variation to the Equipment or Protective System

Variation 4.1

To permit minor electrical changes that do not affect the original intrinsic safety assessment.

16 Report Number

None.

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
D-73889	1 to 3	3	4/15/08	Schematic Diagram 3001 Insta Trans ATEX PCB Set
D73996	1 & 2	3	04/15/08	PCB Assembly 4-20mA Oxygen Transmitter ATEX Parts List
D-73996A	1	3	4/16/08	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996B	1	3	4/16/08	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996C	1	3	4/16/08	PCB Assembly 3001 Insta Trans ATEX PCB
C-74032A	1	2	01/08/08	PCB Fabrication 3001 Insta Trans ATEX PCB (A)
C-74032B	1	2	01/08/08	PCB Fabrication 3001 Insta Trans ATEX PCB (B)
C-74032C	1	2	01/08/08	PCB Fabrication 3001 Insta Trans ATEX PCB (C)



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 Examination Certificate Number: **BAS01ATEX2200X/3**

4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**

5 Manufacturer: **Teledyne Instruments, Analytical Instruments**

6 Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91748,
USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2200X 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.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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Baseefa Customer Reference No. 1081

Project File No. 07/0853

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Baseefa

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



13

Schedule

14

Certificate Number BAS01ATEX2200X/3

15 **Description of the variation to the Equipment or Protective System**

Variation 3.1

To confirm that the Oxygen Measuring Transmitter Type Insta Trans covered by this certificate has been reviewed against the requirements of EN 60079-0:2006, EN 60079-11:2007 and EN 60079-26:2007 in respect of differences from EN 50014:1997 + Amds 1 & 2, EN 5020:1994 and EN 50284:1999 and that, with the exception of the marking code, none of the differences affect this equipment.

16 **Report Number**

None.

17 **Special Conditions for Safe Use**

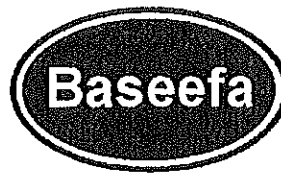
None additional to those listed previously.

18 **Essential Health and Safety Requirements**

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

19 **Drawings and Documents**

None.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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- 3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2200X/2**
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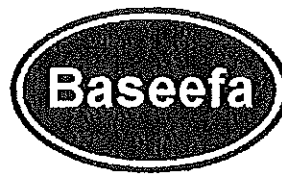
Project File No. 07/0492

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Registered in England No. 4305578 at the above address

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



13

Schedule

14

Certificate Number BAS01ATEX2200X/2

15

Description of the variation to the Equipment or Protective System

Variation 2.1

To permit minor electrical changes that do not affect the original intrinsic safety assessment.

16

Report Number

None.

17

Special Conditions for Safe Use

None

18

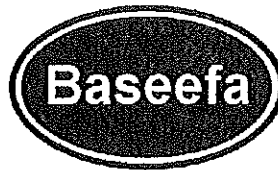
Essential Health and Safety Requirements

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

19

Drawings and Documents

Number	Sheet	Issue	Date	Description
D-73889	1 to 3	2	6/6/07	Schematic Diagram 3001 Insta Trans ATEX PCB Set
D-73996	1 & 2	2	06/06/07	Parts List
D-73996A	1	2	6/6/07	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996B	1	2	6/6/07	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996C	1	2	6/6/07	PCB Assembly 3001 Insta Trace ATEX PCB



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Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2200X/1**
- 4 Equipment or Protective System: **Oxygen Measuring Transmitter Type Insta Trans**
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Project File No. 06/0302

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Baseefa is a trading name of Baseefa (2001) Ltd
Registered in England No. 4305578 at the above address

A handwritten signature in black ink, appearing to read "R S Sinclair".

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



13

Schedule

14

Certificate Number BAS01ATEX2200X/1

15 Description of the variation to the Equipment or Protective System

Variation 1.1

To permit minor drawing and mechanical changes that do not affect the original intrinsic safety certification.

16 Report Number

None.

17 Special Conditions for Safe Use

None

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
A-74000	1	1	06/17/05	Fabrication Detail Serial Number Tag Model 3001 Inst Trans
B-73993	1	1	06/17/05	ATEX Tag Model 3001 Insta Trans
B-73997	1	1	06/17/05	Finishing Detail Insta Trace Cell Holder Model 3001 (ATEX)
B-74008	1	1	06/17/05	Display Modification Insta Trans Unit Model 3001
B-74118	1	2	06/17/05	Label Fabrication Detail Pomalux-CF Cell Body Model 3001(ATEX)
B-74307	1	1	06/17/05	Cell Holder Stencil Model 3001 (ATEX)
B-78606	1	0	1/26/06	Subassembly Insta Trans Electronics Model 3001 (ATEX)
C-73994	1 to 3	1	08/08/05	Model 3001 (ATEX) Insta Trans Unit Assembly Safe Version
C-73998	1	1	08/02/05	Model 3001 (ATES) Insta Trans Unit Cell Body Assembly
C-74032A	1	1	08/03/05	Artwork, PCB Fabrication 3001 Insta Trans ATEX PCB (A)
C-74032B	1	1	08/03/05	Artwork, PCB Fabrication 3001 Insta Trans ATEX PCB (B)
C-74032C	1	1	08/03/05	Artwork, PCB Fabrication 3001 Insta Trans ATEX PCB (C)
D-73889	1 to 3	1	08/04/05	Schematic Diagram 3001 Insta Trans ATEX PCB Set
D-73996	1 & 2	1	08/04/05	Parts List
D-73996A	1	1	08/04/05	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996B	1	1	08/04/05	PCB Assembly 3001 Insta Trace ATEX PCB
D-73996C	1	1	08/04/05	PCB Assembly 3001 Insta Trace ATEX PCB



EC-TYPE EXAMINATION CERTIFICATE

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

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EC-Type Examination Certificate Number : **BAS01ATEX2200X**

Equipment or Protective System: **OXYGEN MEASURING TRANSMITTER
TYPE INSTA TRANS**

Manufacturer: **TELEDYNE ELECTRONIC TECHNOLOGIES/ANALYTICAL
INSTRUMENTS**

Address: **16830 Chestnut Street, PO Box 1580, City of Industry, California 91749-1580, USA**

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

The Electrical Equipment Certification Service, notified body number 600 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°

00(C)0696 dated 13 February 2002

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 EN 50020: 1994 EN 50284: 1999
except in respect of those requirements listed at item 18 of the Schedule.

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.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

Ex II 2 (1) G EEx ia IIC T4 (0°C ≤ T_a ≤ 50°C)

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

File No: **EECS 1081/02/006**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244
Internet: www.baseefa.com e-mail: baseefa.info.eecs@hsl.gov.uk

**I M CLEARE
DIRECTOR
18 February 2002**



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Schedule

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EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2200X

15

Description of Equipment or Protective System

The Oxygen Measuring Transmitter Type Insta Trans is a two wire transmitter designed to measure oxygen content.

Its enclosure comprises an aluminium 'main part' and a plastic or stainless steel 'cell holder part' which are either fastened together directly or via an intervening stainless steel 'right angled flange part'.

The main enclosure contains three printed circuit boards, two of which form an assembly by being directly connected together, the third, which is connected to the assembly above via a ribbon cable, being part of a separate membrane switch/LCD display module assembly which is located in, and accessed/viewed via, an aperture at the top of the main enclosure.

The cell holder contains a replaceable fuel cell and an integral contact plate assembly for making electrical contact with the cell. Access for cell replacement is provided by removal of an insert at the base of the cell holder, this insert, which forms part of the cell holder enclosure, being fastened in place by a mating screwed collar.

External connections are made via an enclosure mounted connector.

Parameters at pins 2 and 4 of connector:

$$U_i = 28V \quad I_i = 93mA \quad P_i = 0.65W \quad C_i = 11nF \quad L_i = 50\mu H$$

The above parameters must be derived from a linear supply (resistive output).

Although the apparatus is Category 2, it is permitted to connect the apparatus sample inlet to hazardous gases such that the inside of the cell holder may contain a potentially explosive atmosphere that is continuously present.

16

Report No.

00(C)0696

17

Special Conditions For Safe Use

1. The apparatus enclosure must be earthed via its earthing strap to prevent electrostatic hazards.
2. The apparatus must not be used to measure oxygen enriched gases i.e. gases with greater than 21% oxygen content.
3. Pins 1 and 3 of the connector are connected to the apparatus enclosure, this must be taken into account in any apparatus installation.



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Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2200X

18

Essential Health and Safety Requirements

Essential Health & Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.1.3	Changes in characteristics of materials and combinations thereof	See Report 00(C)0696
1.2.2	Components for incorporation or replacement	See Report 00(C)0696
1.2.5	Additional means of protection	See Report 00(C)0696
1.2.7	Protection against other hazards	See Report 00(C)0696
1.4.2	Withstanding attack by aggressive substances	See Report 00(C)0696

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DRAWINGS

Number	Sheet	Issue	Date	Description
D-73889	1 to 3	Rev. 0	12/20/01	Schematic
B-73993	-	Rev. 0	12/20/01	Certification Label
C-73994	1 to 3	Rev. 0	12/20/01	Final Assembly
D-73996	1 and 2	Rev. 0	11/20/01	P.C.B. Assembly - Parts List
D-73996A	-	Rev. 0	12/20/01	P.C.B. Assembly - Detail
D-73996B	-	Rev. 0	12/20/01	P.C.B. Assembly - Detail
D-73996C	-	Rev. 0	12/20/01	P.C.B. Assembly - Detail
B-73997	-	Rev. 0	12/20/01	Cell Holder Assembly - Finishing Detail
C-73998	-	Rev. 0	12/20/01	Cell Holder Assembly - General Arrangement
C-73999	-	Rev. 0	12/20/01	Membrane Switch Assembly
A-74000	-	Rev. 0	12/20/01	Serial Number Label
B-74008	-	Rev. 0	12/20/01	Display - Modification
C-74032A	-	Rev. 0	12/20/01	P.C.B. 'A' Fabrication
C-74032B	-	Rev. 0	12/20/01	P.C.B. 'B' Fabrication
C-74032C	-	Rev. 0	12/20/01	P.C.B. 'C' Fabrication
C-74032A	1 to 8	Rev. 0	11/26/01	P.C.B. 'A' Artwork
C-74032B	1 to 8	Rev. 0	11/26/01	P.C.B. 'B' Artwork
C-74032C	1 to 8	Rev. 0	11/26/01	P.C.B. 'C' Artwork
B-74118	-	Rev. 1	12/20/01	General Label
B-74130	-	Rev. 0	12/20/01	P.C.B. Subassembly
B-74307	-	Rev. 0	12/20/01	Cell Holder Assembly - Stencil Detail

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BASEEFA List Keywords
2OXYDETE
2METER