



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: **Baseefa03ATEX0187 – Issue 4**

4 Equipment or Protective System: **Infra-Red Controller type IR900**

5 Manufacturer: **Orange Instruments Limited**

6 Address: **Lower Farm Road, Moulton Park, Northampton, NN3 6XF**

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 Baseefa, 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's. GB/BAS/ExTR12.0312/00

9 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.

10 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.

11 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.

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

⊕ II 2G Ex ia IIC T4 Gb

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

Baseefa Customer Reference No. **1575**

Project File No. **12/0942**

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.

R S SINCLAIR

DIRECTOR
On behalf of
Baseefa

Baseefa

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Schedule

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Certificate Number Baseefa03ATEX0187 – Issue 4

15 Description of Equipment or Protective System

The INFRA-RED CONTROLLER TYPE IR900 is a battery powered, hand-held keypad with an infra-red LED emitter. The instrument is designed to control other instruments housed within certified flameproof housings through infra-red transparent windows.

The Infra-red Controller comprises a nylon coated die-cast aluminium enclosure which houses a membrane keypad, printed circuit board, an encapsulated battery pack type B135 and infra-red transmitter LED, which protrudes through the end of the enclosure.

16 Report Number

GB/BAS/ExTR12.0312/00

17 Specific Conditions of Use

None.

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

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
6941	1 of 1	I	26/11/2012	IR900 Infra-Red Controller (Schematic)
7242	1 of 1	G	26/11/2012	IR900 Infra-Red Controller General Assembly
7243	1 of 1	D	26/11/2012	Battery Assembly B135 (For use with IR900)

These drawings are also associated and held with IECEx BAS 12.0126 Issue 0.

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
6937	1 of 1	G	25/11/2010	Parts List IR900 Infra-Red Controller

These drawings are also associated and held with IECEx BAS 12.0126 Issue 0.



20 Certificate History

Certificate No.	Date	Comments
Baseefa03ATEX0187X	7 May 2003	The release of the prime certificate. The associated test and assessment is documented in Test Report No. 03(C)0181.
Baseefa03ATEX0187X/1	7 June 2006	To permit minor electrical changes that do not affect the original intrinsic safety assessment.
Baseefa03ATEX0187X/2	18 February 2011	To permit minor electrical changes that do not affect the original intrinsic safety assessment.
Baseefa03ATEX0187X/3	2 August 2011	To permit minor changes to the GA Drawing that does not affect the original assessment.
Baseefa02ATEX0235 Issue 4	22 November 2012	<p>This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN 60079-0: 2012 & EN 60079-11: 2012 including the revision of the marking in accordance with these standards.</p> <p>The equipment category has been changed from Ex II 1G to Ex II 2G and the EPL has been set to Gb. Consequently the previous X condition has been removed.</p>
For drawings applicable to each issue, see original of that issue.		