



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: **Baseefa 03ATEX0187X**

4 Equipment or Protective System: **Infra Red Controller Type IR900**

5 Manufacturer: **Orange Instruments Ltd**

6 Address: **Owl Close, Moulton Park, Northampton, NN3 6HZ**

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 (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. **03(C)0181**

9 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.

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 1 G EEx ia IIC T4**

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

Baseefa (2001) Ltd. Customer Reference No. **1575**

Project File No. **03/0181**

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



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Schedule

14

Certificate Number Baseefa03ATEX0187X

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

03(C)0181

17 Special Conditions for Safe Use

1. The enclosure is die cast aluminium with a nylon coating. Care should be taken to make sure the nylon coating is not damaged.

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
7242	1 of 1	E	30 Apr 03	IR900 Infra Red Controller General Assembly
6937	1 of 1	E	30 Apr 03	Parts List - IR900 Infra Red Controller
6941	1 of 1	F	19 Apr 03	IR900 Circuit Diagram - P492
7243	1 of 1	C	19 Apr 03	Battery Assembly B135 (For use with IR900)