

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: **Baseefa07ATEX0181X**

4 Equipment or Protective System: **iCITE100**

5 Manufacturer: **Extronics Limited**

6 Address: **Meridian House, Roe Street, Congleton, Cheshire, CW12 1PG**

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. **06(C)0325**

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

EN 60097-0: 2006 EN 60079-7: 2007 EN 60079-18: 2004

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 2 G Ex emb II T4 -20°C ≤ Tamb ≤ 60°C

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

Baseefa Customer Reference No. **3700**

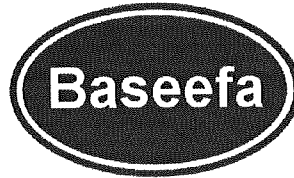
Project File No. **06/0325**

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.

Baseefa

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



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Schedule

14

Certificate Number Baseefa07ATEX0181X

15 Description of Equipment or Protective System

The iCITE100 is a low frequency exciter unit, rated at up to 48V a.c./d.c. and up to 20W. The unit comprises a plastic enclosure into which is mounted an encapsulated exciter mounted on a printed circuit board. The encapsulated exciter is connected to a long range antenna and a short range antenna. The antennas, which are encapsulated together, are mounted within the lid of the enclosure. The enclosure itself is certified under Sira 99ATEX3028U.

External connection to the printed circuit board is via board mounted terminals, which are certified under KEMA 00ATEX2053U.

The Exciter Unit may be arranged in master or slave form. A master unit may be operated in stand-alone mode. When slave units are powered via a master unit; up to three slave units may be chained in series from one master unit. Multiples of three slave units can be powered from a power supply of up to 24V a.c./d.c.

Variation 0.1

The antennas may be encapsulated directly into the enclosure lid.

Variation 0.2

The unit may alternatively be designated as EX-2000-X.

16 Report Number

06(C)0325

17 Special Conditions for Safe Use

1. A slave unit may be connected to a master unit, another slave unit and/or a power supply of up to 24V a.c./d.c. A master unit may be connected to a slave unit and/or a power supply of up to 48V a.c./d.c.

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	Rev	Date	Description
313993	1 & 2	REL01	19/10/06	General Arrangement
318922	1 & 2	REL01	27/07/07	Internal PCB General Arrangement
318811	1	REL01	20/07/07	Potted Antenna – Vacuum Formed
318812	1	REL01	20/07/07	Potted Antenna – enclosure lid
319048	1 - 3	REL01	08/08/07	PCB Details
318828	1	1	28/08/07	Label