



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: **Baseefa11ATEX0191X**

4 Equipment or Protective System: **Type iBATT100 Battery Container**

5 Manufacturer: **Extronics Limited**

6 Address: **1 Dalton Way, Midpoint 18, Middlewich, Cheshire, CW10 0HU**

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. **GB/BAS/ExTR11.0189/00**

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

EN 60079-0: 2009 and EN 60079-7: 2007

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 e IIC T6 -20°C ≤ T_a ≤ 55°C Gb IP23

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

Baseefa Customer Reference No. **3700**

Project File No. **11/0072**

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 blue ink, appearing to read "R S Sinclair".

Baseefa

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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

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Certificate Number Baseefa11ATEX0191X

15 Description of Equipment or Protective System

The Type iBATT100 Battery Container consists of a fabricated stainless steel or mild steel enclosure 612mm by 515mm by 371mm with a hinged front cover secured by 4 x ½ turn locks. There are labyrinth vents with foam mesh on the top and bottom side of the enclosure. The inner surface of the enclosure is covered with an epoxy spray coating

The enclosure contains two 12 volt lead acid batteries connected in series with a rated capacity of 135Ah. The maximum charging current is 40.5A and the maximum discharge current is 160A. The batteries sit horizontally on shelves and are clamped in place.

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17 Special Conditions for Safe Use

1. If charging takes place within the hazardous area the charging circuit must meet the requirements of EN 60079-7 and have its own appropriate ATEX certification. The maximum charging current must be limited to 40.5A.
2. Any load connected to these batteries must include a 160A fuse in the supply line. If the fuse is located in a hazardous area it must be appropriately certified.
3. If the batteries are to be disconnected in a hazardous area then an appropriately certified means of isolation must be provided.
4. These batteries must not be subjected to mechanical shock.

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
330521	1	REL01	25/8/11	General arrangement
331444	1	01	12/8/11	Label

These drawings are common to and held with IECEx BAS11.0097X