



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: **Baseefa06ATEX0224X**

4 Equipment or Protective System: **UPS-III-IS**

5 Manufacturer: **Druck Limited**

6 Address: **Groby, Leicester, LE6 0FH, UK**

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)0004**

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

**EN 60079-0: 2004**      **EN 50020: 2002**

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 ib IIC T4 (-10°C ≤ Ta ≤ +40°C)**

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

Baseefa Customer Reference No. **0312**

Project File No. **06/0004**

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

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Certificate Number Baseefa06ATEX0224X

### 15 Description of Equipment or Protective System

The UPS-III-IS is designed to measure voltage, continuity or current (in a current loop circuit, either passive or active) of intrinsically safe circuits or generate a current (for a current loop circuit, either passive or active) for intrinsically safe circuits.

The equipment comprises four PCB's; an encapsulated power supply PCB, an analogue processing PCB, a digital processing PCB and a keyboard and display PCB. Connections between the boards are made by PCB mounted inter-board connectors. The apparatus is powered by four AA Alkaline primary batteries and is enclosed in a moulded plastic housing containing a display window and six push button switches. The plastic housing is further protected by a leather case which must always be fitted when the instrument is used.

The user connections are made to the apparatus by means of four 4mm sockets situated above the display window for connection of user test leads.

### 16 Report Number

06(C)0006

### 17 Special Conditions for Safe Use

1. When user terminal SK7 is used (the 24V output), the external, circuit under test, must be completely isolated from any other sources of power.
2. The remote sensor MUST be isolated from all other sources of power when used in the following operating modes.
  - V w.r.t. COM : Continuity measurement.
  - mA(24V) w.r.t. mA : Powered current loop, current measurement.
  - mA(24V) w.r.t. mA : Powered current loop, current generation

### 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
X-A3-0241	1 of 1	1	11 Aug 06	UPS-III-IS PSU Board Circuit Diagram for Baseefa
X-A3-0241	1 to 2	1	-	Bill of Materials for X-A3-0241
X-A3-0242	1 to 2	1	11 Aug 06	UPS-III-IS Digital Board Circuit Diagram for Baseefa
X-A3-0242	1 to 2	1	-	Bill of Materials for X-A3-0242
X-A3-0243	1 to 2	1	11 Aug 06	UPS-III-IS Analogue PCB Circuit Diagram for Baseefa
X-A3-0243	1 to 2	1	-	Bill of Materials for X-A3-0243
X-A3-0244	1 of 1	1	08 Jun 06	UPS-III-IS Keyboard/Display PCA Circuit Diagram for Baseefa
X-A3-0244	1 of 1	1	-	Bill of Materials for X-A3-0244
X-A3-0248	1 of 1	1	11 Aug 06	UPS-III-IS Carry Case



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<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
X-A2-0250	1 of 1	1	11.8.06	UPS-III-IS Power Supply Board Tracking Layers
X-A2-0251	1 of 1	1	11.8.06	UPS-III-IS Power Supply Board Assembly Drawing
X-A2-0252	1 of 2	1	11.8.06	UPS-III-IS Analogue Board Tracking Layers
X-A2-0252	2 of 2	1	11.8.06	UPS-III-IS Analogue Board Inner Layers
X-A2-0253	1 of 1	1	11.8.06	UPS-III-IS Analogue Board Assembly Drawing
X-A2-0254	1 of 2	2	6.9.06	UPS-III-IS Digital Board Tracking Layers
X-A2-0254	2 of 2	2	6.9.06	UPS-III-IS Digital Board Inner Layers
X-A2-0255	1 of 1	2	6.9.06	UPS-III-IS Digital Board Assembly Drawing
X-A2-0256	1 of 2	1	11.8.06	UPS-III-IS Keypad Display Board Tracking Layers
X-A2-0256	2 of 2	1	11.8.06	UPS-III-IS Keypad Display Board Inner Layers
X-A2-0257	1 of 1	1	11.8.06	UPS-III-IS Keypad Display Board Assembly Drawing
X-A2-0260	1 of 1	2	04 Sep 06	UPS-III-IS Base molding
X-A4-0262	1 of 1	1	11.08.06	UPS-III-IS Certification Label
X-A3-0263	1 of 1	2	04 Sep 06	UPS-III-IS General Assembly
X-A3-0264	1 of 1	2	04 Sep 06	UPS-III-IS Front Housing Assembly
X-A3-0265	1 of 1	2	04 Sep 06	UPS-III-IS Potted Rear Housing Assembly