



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: **Baseefa04ATEX0009X**

4 Equipment or Protective System: **TYPE XB15 XENON BEACON**

5 Manufacturer: **MEDC Limited**

6 Address: **Colliery Road, Pinxton, Nottinghamshire, NG16 6JF**

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)0483**

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

**EN 50014:1997 + Amendments 1 & 2**

**EN 50018: 2000 + Amendment 1**

**EN 50281-1-1: 1998 + Amendment 1**

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 GD EEx d IIC T\* (\* see schedule)**

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

Baseefa (2001) Ltd. Customer Reference No. **0676**

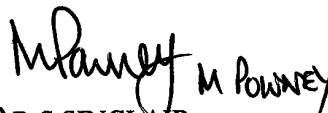
Project File No. **03/0483**

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 (2001) Ltd.**

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



13

## Schedule

14

Certificate Number Baseefa04ATEX0009X

### 15 Description of Equipment or Protective System

The **Type XB15 Xenon Beacon** may be rated from 12V dc. to 254V ac. with a maximum power dissipation of 30 watts and comprises a cylindrical enclosure, manufactured in glass reinforced polyester, complete with a borosilicate wellglass cemented into the centre of the cover. The wellglass may be protected by an optional guard arrangement fixed to the cover. The cover is mated to the enclosure base by a threaded joint which is then locked by a M4 x 10mm long steel grub screw.

Up to three M20 or M25 (or NPT equivalent) cable entry's are provided in the side wall of the enclosure. Internal earthing facilities are provided along side the internal component connections.

The interior of the enclosure comprises a printed circuit board (PCB) incorporating a xenon tube and control electronics, mounted on pillars from the base. In addition a terminal block with up to 12 ways and rated up to 25A is mounted in the base of the enclosure.

#### Variation 0.1

An alternative interior comprising a 60W or 100W filament lamp, mounted a ceramic lamp holder which is raised on pillars from the base, and a terminal block with up to 12 ways and rated up to 25A, mounted in the base of the enclosure.

In this form the unit is re-designated a **Type FB15 Beacon**.

The above units may have the following temperature class/ambient combinations :-

Beacon Type	Lamp Rating	Temperature Class
XB15	30W	T85°C (T <sub>amb</sub> = -55°C to +55°C)
		T100°C (T <sub>amb</sub> = -55°C to +70°C)
FB15	60W	T135°C (T <sub>amb</sub> = -55°C to +55°C)
		T200°C (T <sub>amb</sub> = -55°C to +70°C)
	100W	T200°C (T <sub>amb</sub> = -55°C to +40°C)

### 16 Report Number

Baseefa Certification Report 03(C)0483

### 17 Special Conditions for Safe Use

1. Painting and surface finishes, other than those applied by the manufacturer, are not permitted
2. In order to maintain the dust tight integrity of the enclosures (IP6X), the threads of cable entry devices and stopping plugs shall be sealed in accordance with the applicable code of practice for flameproof installation.

### 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	Issue	Date	Description
276-142	A	29/04/03	General Arrangement, Type XB15 & FB15 Beacons