



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: **Baseefa04ATEX0054X**

4 Equipment or Protective System: **SM87HXB/DB3 CLOSE COUPLED COMBINATION UNIT**

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)0690**

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

EN 50014: 1997 + Amendments 1 and 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 :

Ex II 2 GD EEx d IIC T135°C (T_{amb} - 20°C to + 70°C)*
or (T_{amb} - 55°C to + 55°C)* * 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. **03/0690**

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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M POWNEY
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DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

14

Certificate Number Baseefa04ATEX0054X

15 Description of Equipment or Protective System

The SM87HXB/DB3 Close Coupled Combination Unit comprises an assembly of a Type SM87HXB Xenon Beacon to EC-Type Examination Certificate Baseefa03ATEX0222 and a Type DB3 Sounder to EC Type Examination Certificate BAS00ATEX2097X.

These units are coupled together with via a threaded nipple and mounted on a common baseplate.

This apparatus may be rated between 12V and 48V d.c. or 110V and 254V a.c. with temperature class and ambient combinations, dependant on the assembled units, as follows:-

BEACON	SOUNDER	CODING
SM87HXB	DB3 ($\leq 15W$)	⊕ II 2 GD EEx d IIC T135°C ($T_{amb} = -20^{\circ}C$ to $+70^{\circ}C$)
	DB3L ($\leq 15W$)	⊕ II 2 GD EEx d IIC T135°C ($T_{amb} = -55^{\circ}C$ to $+55^{\circ}C$)

16 Report Number

Baseefa Certification Report No. 03(C)0690

17 Special Conditions for Safe Use

1. This apparatus is not suitable for use in atmospheres containing carbon disulphide.
2. Painting and surface finishes, other than those applied by the manufacturer, are not permitted.
3. 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
219-575	A	31/07/03	General Arrangement, SM87HXB/DB3 Close Coupled Combination Unit