



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: **Baseefa03ATEX0084X**

4 Equipment or Protective System: **MANUAL CALL POINT TYPE PB1**

5 Manufacturer: **MEDC LIMITED**

6 Address: **Colliery Road, Pinxton, Nottingham, 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. 02(C)0186

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

**EN50014:1997 + Amd 1 & 2 EN50020:2002 EN500284:1999 EN50281-1-1:1998**

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 1GD EEx ia IIC T4 (-40°C ≤ T<sub>a</sub> ≤ +70°C) T135°C**

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

Baseefa (2001) Ltd. Customer Reference No. 0676

Project File No. 02/0186

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.**

Health and Safety Laboratory Site, Harpur Hill,  
Buxton, Derbyshire SK17 9JN

Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216

e-mail [info@baseefa2001.biz](mailto:info@baseefa2001.biz) web site [www.baseefa2001.biz](http://www.baseefa2001.biz)

Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,  
Derbyshire, SK17 9BJ

R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.

Re-Issued 23 April 2003



13

## Schedule

14

### Certificate Number Baseefa03ATEX0084X

#### 15 Description of Equipment or Protective System

The Manual Call Point Type PB1 is designed to initiate an electrical signal when the alarm switch is operated. Alternative versions can provide local LED indication.

The unit comprises of a polyester enclosure, terminal block and a push button switch under a flap. Different versions contain resistors and/or zener diodes. These components may optionally be mounted on an encapsulated pcb. An optional end-of-line resistor may be added.

External connections are made at the terminals via gland entries at the bottom of the unit.

#### Input Parameters

$U_i = 30V$   
 $I_i = 147mA$   
 $P_i = 0.8W$   
 $C_i = 0$   
 $L_i = 0$

#### 16 Report Number

02(C)0186

#### 17 Special Conditions for Safe Use

1. The Manual Call Point Type PB1 has plastic enclosure which must only be cleaned with a damp cloth to avoid the danger of ignition due to a build up of an electrostatic charge.
2. The Manual Call Point Type PB1 must only be fitted with approved EEx e glands and blanking plugs that will maintain the ingress protection to at least IP6X.
3. The Manual Call Point PB1 must be installed in a location where it is protected against prolonged exposure to U.V. light.

#### 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
380-448	1	A	22.04.02	General Assembly
280-676	1 to 5	A	17.04.02	Wiring Diagram
380-456	1	A	22.04.02	Label, PB1



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Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216  
e-mail [info@baseefa2001.biz](mailto:info@baseefa2001.biz) web site [www.baseefa2001.biz](http://www.baseefa2001.biz)  
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,  
Derbyshire, SK17 9BJ

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

Re-issued 20<sup>th</sup> September 2004 to amend Standard



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## Schedule

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**Certificate Number Baseefa03ATEX0084X**

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380-448	1	A	22.04.02	General Assembly
280-676	1 to 5	A	17.04.02	Wiring Diagram
380-456	1	A	22.04.02	Label, PB1



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0084X/1**

4 Equipment or Protective System: **MANUAL CALL POINT TYPE PBI**

5 Manufacturer: **MEDC LIMITED**

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

7 This supplementary certificate extends EC - Type Examination Certificate No. Baseefa03ATEX0084X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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

Baseefa (2001) Ltd. Customer Reference No. 0676

Project File No. 03/0236

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Health and Safety Laboratory Site, Harpur Hill,  
Buxton, Derbyshire SK17 9JN  
Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216  
e-mail [info@baseefa2001.biz](mailto:info@baseefa2001.biz) web site [www.baseefa2001.biz](http://www.baseefa2001.biz)  
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,  
Derbyshire, SK17 9BJ

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## Schedule

14

Certificate Number Baseefa03ATEX0084X/1

15

### Description of the variation to the Equipment or Protective System

#### Variation 1.1

To permit the following modifications to Manual Call Point Type PBI:

- a. The use of an alternative design for the enclosure lid.
- b. Replace the push-button to actuate the alarm switch by a break glass unit.
- c. The ambient temperature range has been reduced to  $-20^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ .
- d. Minor changes to the mechanical assembly inside the enclosure.

With the above changes a Manual Call Point Type BGI is created, coded  $\text{Ex III GD EEx ia IIC T4 } (-20^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C})$  T135°C.

16

### Report Number

02(C)0236

17

### Special Conditions for Safe Use

1. The special conditions for safe use specified on the original certificate for the Manual Call Point Type PBI are also applicable to the Manual Call Point Type BGI.

18

### Essential Health and Safety Requirements

See original

19

### Drawings and Documents

Number	Sheet	Issue	Date	Description
280-657	1	A	22.04.02	General assembly BGI
280-658	1	A	22.04.02	Label BGI



- 1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**
- 2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**
- 3 Supplementary EC - Type Examination Certificate Number: **See Schedule**
- 4 Equipment or protective system: **See Schedule**
- 5 Manufacturer: **MEDC**
- 6 Address: **Colliery Road, Pinxton, Nottingham, NG16 6JF**
- 7 This supplementary certificate extends the EC - Type Examination Certificates listed in the Schedule to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedules of the said Certificates but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

A copy of this Supplementary Certificate shall be attached to each of the original Certificates.

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

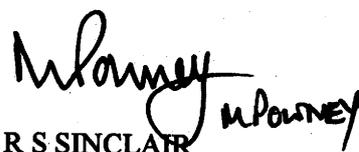
Baseefa Customer Reference No. 0676

Project File No. 07/0181

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**Baseefa**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa (2001) Ltd  
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DIRECTOR  
On behalf of  
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### Schedule

#### Description of the variation to the Equipment or Protective System

To permit the use of epoxy or acrylic paint processes on the products detailed below.

Certificate No.	Supplement No.	Equipment Type
BAS99ATEX2195X	5	XBII
BAS99ATEX2196	5	XB12,FB12,TH12,FL12,
BAS00ATEX2031	2	XB9
BAS00ATEX2097X	9	DB3, DB3L, DB4, DB4L
BAS00ATEX2098X	9	DB3E, DB3E, DB4, DB4E
BAS00ATEX2204X	1	XB10
BAS00ATEX2226X	1	XB10E
BAS02ATEX2086X	5	DB10
BAS02ATEX2105X	4	BGE, PBE
Baseefa03ATEX0084X	2	BG1, PB1
Baseefa04ATEX0009X	3	XB15, FB15, FL15, LD15, TH15
Baseefa04ATEX0166X	2	DB16 IIB
Baseefa04ATEX0167X	2	DB16 IIC
Baseefa05ATEX0198X	1	DB20 IIB
Baseefa05ATEX0199X	1	DB20 IIC

#### Report No.

None

#### Special Conditions for Safe Use

None additional to those listed previously

#### Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation

#### Drawings and Documents

Number	Issue	Date	Description
122-808	1	05/03/07	Addition of Optional Acrylic Paint to Products Listed.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0084X/3**

4 Equipment or Protective System: **Manual Call Point Type PBI**

5 Manufacturer: **MEDC Limited**

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

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0084X to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

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

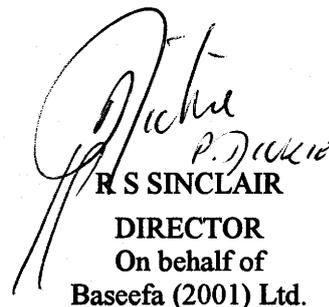
Baseefa Customer Reference No. 0676

Project File No. 07/0852

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Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
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DIRECTOR  
On behalf of  
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### Schedule

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Certificate Number Baseefa03ATEX0084X/3

15 **Description of the variation to the Equipment or Protective System**

**Variation 3.1**

To permit the use of an alternative enclosure material which does not affect the previous assessment.

16 **Report Number**

None.

17 **Special Conditions for Safe Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
280-657	1 of 1	B	10.10.07	ATEX Certification GA BGI Break Glass