



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEx BAS 10.0065X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 4	Issue 3 (2017-10-20)
Date of Issue:	2018-04-03		Issue 2 (2016-09-29)
Applicant:	<b>Eaton MEDC Limited</b> Unit B, Sutton Parkway Oddicroft Lane Sutton-in-Ashfield NG17 5FB <b>United Kingdom</b>		Issue 1 (2013-03-04)
Equipment:	<b>A Type DB1 Sounder</b>		Issue 0 (2010-11-25)
Optional accessory:			
Type of Protection:	<b>Flameproof</b>		
Marking:	<b>Ex db IIB T6 Gb T<sub>amb</sub> -20°C to +60°C</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**SGS Baseefa Limited**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton, Derbyshire, SK17 9RZ**  
**United Kingdom**





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Manufacturer: **Eaton MEDC Limited**  
Unit B, Sutton Parkway  
Oddicroft Lane  
Sutton-in-Ashfield  
NG17 5FB  
**United Kingdom**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/BAS/ExTR10.0133/00](#)

[GB/BAS/ExTR17.0215/00](#)

[GB/BAS/ExTR17.0366/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/08](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Type DB1 sounder comprises a cylindrical enclosure and cover manufactured from stainless steel or aluminium alloy.

The cover is provided with a sounder driver mounted internally and a non-metallic re-entrant horn mounted externally and is retained using four M6 fasteners of grade A2-70 stainless steel. The base houses two printed circuit boards and has provision for up to three tapped cable entries.

The sounder is rated up to 120V d.c. or 250V a.c., 50/60Hz, 21W.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The enclosure is a potential electrostatic charging hazard, and should only be cleaned with a damp cloth.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

### Variation 4.1

To allow an increase in the upper ambient temperature of the DB1 sounder from +55°C to +60°C for the temperature class T6

ExTR: **GB/BAS/ExTR17.0366/00**

File Reference: **17/0816**