

Exde, Weatherproof



Features

- Zone 1, Zone 2 & non-Ex use.
- Exde IIB + H₂ or IIC T4/T5/T6
- ATEX certified, Ex II 2G
- IECEx certified, Gb
- Certified by BASEEFA
- GOST 'R' & 'K' certified.*
- Chinese (CQST) certified.*
- Brazilian (Inmetro) certified.*
- IP66 and IP67
- Certified temperature: -40°C to +65°C.**
- GRP corrosion-free flamepath.
- 115dB(A) at 15 Watts at 1 metre.
- 8 & 15 Watt versions.
- Power tapplings via integral transformer.
- Ratcheted swivel mounting stirrup.
- Fitted with 316L stainless steel fixtures.
- Earth continuity available.
- Retained cover screws.
- Internal earth stud fitted as standard.

*Please contact Cooper MEDC Technical Sales.

** Model dependant, please contact Cooper MEDC Technical Sales for -50°C products.

Introduction

This range of loudspeakers, intended for use in potentially explosive gas atmospheres, has a power rating of up to 15 Watts and is suitable for use in gas groups IIB plus hydrogen and IIC.

The flamepaths, flare and body, are manufactured from a UV stable glass reinforced polyester. Stainless steel screws and mounting stirrup are incorporated to ensure a corrosion-free product.

Authorized Distributor:
GasDetectorsUSA.com
Houston, TX USA
832-615-3588
sales@GasDetectorsUSA.com



Specification

Certification: Standards: IEC/EN 60079-0, 60079-1, 60079-7.
 IECEx IIB + H₂ Cert details: IECEx BAS 11.0041X
 IECEx IIC Cert details: IECEx BAS 11.0042X
 Ex de IIB + H₂ T4, T5 or T6 Gb.
 Ex de IIC T4, T5 or T6 Gb.
 ATEX IIB + H₂ Cert details: Baseefa11ATEX0101X
 ATEX IIC Cert details: Baseefa11ATEX0102X
 Ex II 2 G Ex de IIB+H₂ T4/T5/T6 Gb
 Ex II 2 G Ex de IIC T4/T5/T6 Gb
 GOST 'R' Certification: 2 Exde IIB + H₂ T4/T5/T6.*
 GOST 'K' Certification: Exde IIB + H₂ T4/T5/T6.*
 Chinese (CQST) Certification: Exde IIB + H₂ T4/T5/T6.*
 Brazilian (Inmetro) Certification: BR-Ex de IIB + H₂ T3/T4/T5/T6.*

Material: Body & horn in anti-static, UV stable, glass reinforced polyester.
 Mounting stirrup and fixtures in 316L stainless steel.

Finish: All natural or body and horn can be painted to customer specification.

Rated Power: 8 & 15 Watts RMS continuous (25°C).

Weight: Long Flare (15W): 4.5kg Gross weight. 3.6kg Net weight
 Short Flare (8W): 4kg Gross weight. 3.1kg Net weight

Ingress Protection: IP66 and IP67

Entries: Up to 2 x M20 ISO into Exe chamber.

Terminals: 8 x 4.0mm² or 4 x 4.0mm².

Output: Maximum output for IIB unit @ 1W/1M is 105dB(A)
 Maximum output for IIB unit @ 15W/1M is 115dB(A)
 Maximum output for IIC unit @ 1W/1M is 98dB(A)
 Maximum output for IIC unit @ 15W/1M is 107dB(A)

Frequency Range: 400Hz to 8kHz.

Certified Temp: -40°C to + 40°C (T6)**
 -40°C to + 55°C (T5)**
 -40°C to + 65°C (T4)**

Voice Coil Impedance: 8 ohms.

Fire Retardancy: GRP is fire retardant to ISO 1210.

Mounting: Via stirrup with ratchet facility (supplied fitted).

Earth Continuity: Internal/External earth stud linked to gland continuity.

Labels: Optional stainless steel tag and duty labels.

Transformer: 100V line as standard. Use by combining the rated power tapings below.

Terminals	Power	
	15W	8W
1:2 (HI)	15.0W	8.0W
1:3 (HI)	7.5W	4.0W
1:4 (HI)	3.75W	2.0W
1:2 (LO)	2.5W	1.0W
1:3 (LO)	1.25W	0.5W
1:4 (LO)	0.75W	0.25W

Ordering Requirements

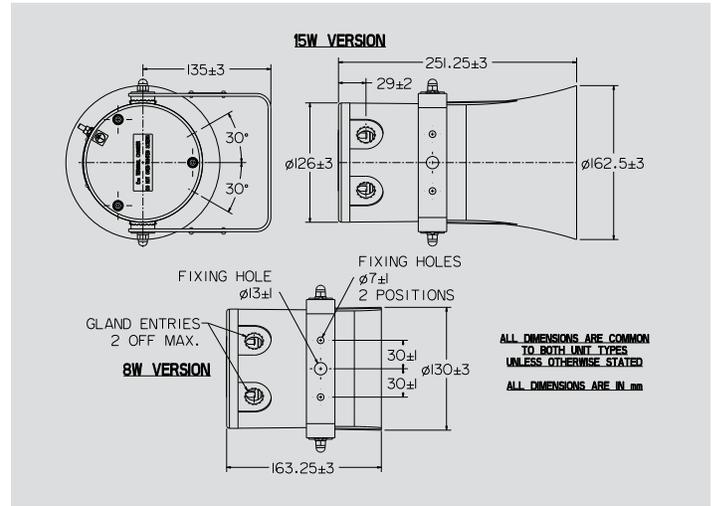
The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box. **Standard products available ex-stock. Please visit the Cooper MEDC website for further details.**

Model	Certification	Gas Group	Max Rated Power	Transformer	Options	Entries	Finish
DB10							
Certification Code ATEX B IECEx J GOST 'R' R* GOST 'K' K* Chinese (CQST) Q* Inmetro EM*	Group Code IIB+H ₂ B IIC C	Power Code 8 Watt 8 15 Watt 15	Transformer Code Yes X* 8 ohm version N	Options Code Duty D* Tag T* Earth Continuity including stud ES Ext. Earth Stud (only) S None N	Entries Code 1 x M20 1B 2 x M20 2B 2 x M20 entries 2BP with one certified plug fitted	Finish Code Natural Black N Red R Special S*	

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* Std 100V
 Other values available, specify voltage.

* Please specify wording



Transformer Tapping Options:

- Standard:** i) 8 terminals (4 x 2), loop in/loop out for 6 tapings.
Optional: ii) 4 terminals (2 x 2), loop in/loop out, direct 8Ω connection to driver.

