



Sounder Ex d/ Ex de weatherproof Series DB3 and DB3P

This range of light weight all GRP, flameproof sounders is intended for use in potentially explosive gas and dust atmospheres and has been designed with high ingress protection to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries. The flame paths, flare and the body, are manufactured completely from a UV stable glass reinforced polyester. Stainless steel screws and sinter are incorporated thus ensuring a corrosion free product.

A tapered flame path is used to overcome the problems of assembly of parallel spigot flame paths.

An optional Ex e terminal chamber is available. An uncertified version is available for use in non explosive atmospheres.

Zone 1, Zone 2 and non-Ex use.

- Exde IIC T5.
Optional Exe terminal chamber.
- CENELEC -and
BASEEFA certified.
- IP66 and IP67.
- All GRP corrosion free flamepaths.
- Up to 118dBA output.
- 27 tones, user selectable.
- Tones comply with
UK00A/PFEER guidelines.
- Any two tones may be switched
via the external voltage supply.
- Tones may be programmed to
customer specification.
- d.c. version accepts any voltage
between 12V d.c. and 48V d.c.
- End of line resistor option.

Technical specifications

Certification

BAS 00 ATEX 2097 X
BAS 00 ATEX 2098 X

Material

Material: Body & horn in anti-static, UV stable, glass reinforced polyester. Swivel bracket & captive cover screws in stainless steel.

Color

Body and horn, natural black or epoxy paint coated to client's color requirements.

Sound output

115dB(A) ± 3dB(A) (tone dependent)

Weight

Approx. 1.5 Kg depending on Typ.
(plus 0.5 Kg for Ex e Version)

Ambient temperature

-55° C to +70° C

Protection

IP66 and IP67

Power supply

Up to 48V DC, up to 254V AC

Voltage	Current consumption [mA]	Fuse rating [A]
12 V DC	760	2.5
24 V DC	380	1.5
48 V DC	190	0.5
110 V AC	135	0.4
120 V AC	124	0.4
220 V AC	68	0.2
240 V AC	62	0.2
254 V AC	59	0.2

Terminals

4 x 2.5 mm² (AC),
6 x 2.5 mm² (DC)

Grounding

Available for Ex de version

Installation

Mounting bracket with locking device

Label

Custom labeling

Cable entry

1 x 20 mm Ex d.
2 x 20 mm Ex de.

