

VOICE SOUNDERS – Up to 110 dB(A) - DB3V Range EExd(e), Weatherproof



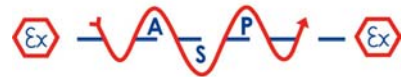
Introduction

This range of light weight all GRP, flameproof voice 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.

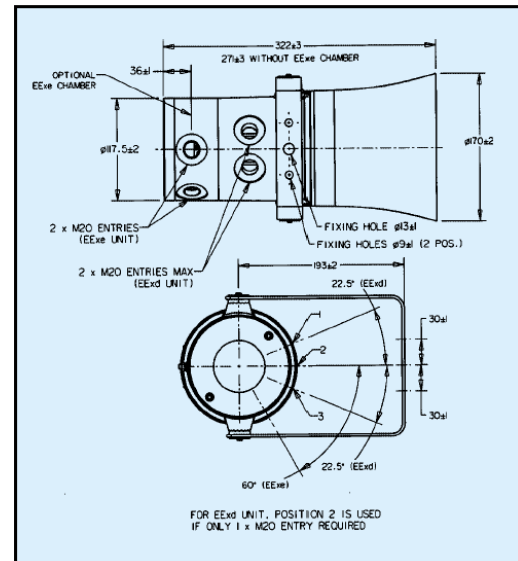
The flamepaths, flare and the body, are manufactured completely from a UV stable glass reinforced polyester. Stainless steel screws and sinter are incorporated thus ensuring a corrosion free product. A tapered flamepath is used to overcome the problems of assembly of parallel spigot flamepaths. This unit offers up to 20 seconds of speech which can be recorded via an integral microphone or an input from an external source. The unit incorporates a variable delay allowing speech to be repeated at equal intervals of up to approximately 15 seconds.

In addition, a 'mechanical bell' sound version is available. An optional Exe terminal chamber is available. An uncertified version is available for use in non-explosive atmospheres.

- Zone 1, Zone 2 and non-Ex use.
 - EExde IIC T5.
 - ATEX approved, Ex II 2GD.
 - Optional Exe terminal chamber.
 - CENELEC approved.
 - BASEEFA certified.
 - IP66 and IP67.
 - *Certified temperature -55°C to $+70^{\circ}\text{C}$.
 - All GRP corrosion free flamepaths.
 - Up to 110dBA output.
 - Integral volume control.
 - d.c. version accepts any voltage between 12V d.c. and 48V d.c.
 - End of line resistor option.
 - Sounder/Beacon Combination Unit available.
 - Bell recording version available.
- *Depending on version.



Certification	CENELEC EN50014, 18, 19. BASEEFA Cert. No. BAS00ATEX2097X, EExd IIC. BASEEFA Cert. No. BAS00ATEX2098X, EExde IIC. Zones 1 and 2.	
Material:	Body & horn in anti-static, UV stable, glass reinforced polyester (GRP). Swivel bracket & captive cover screws in stainless steel.	
Finish:	Body and horn, natural black or epoxy paint coated to client's colour requirements.	
Sound Output:	110dB(A) (message dependent).	
Volume Control:	Potentiometer	
Weight:	6.0kg approx. dependent on model (+0.5kg for EExe).	
Certified Temperature:	Standard version -20°C to +70°C. (Exe version +45°C). Low temp (L) -55°C to +55°C.	
Ingress Protection:	IP66 and IP 67	
Fire Retardancy:	GRP is fire retardant to ISO 1210.	
Voltage:	Up to 48V d.c. .	
Current Consumption:	V	I
	12V d.c.	1.2A
	24V d.c.	600mA
	48V d.c.	300mA
Terminals:	6 x 2.5mm ² (d.c.)	
Earth Continuity:	Included on EExde version.	
Mounting:	Stainless Steel bracket with ratchet facility	
Labels:	Duty and tag labels optional	
Cable Entries:	Up to 2 x 20mm EExd. 2 x 20mm EExe. .	
Voice Recording:	Up to 20 seconds recording time	
Sounder/Beacon Unit:	The DB3V may be combined with an MEDC beacon to create a combined voice/visual alarm.	



Ordering Requirements:

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Unit Type []	Certification []	Options []	Entries []	Colour []																																										
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