

Audible Signals - Explosion Proof
GRP **SOUNDER**

Explosion Proof Sounder > GRP
SD150 Series

Product overview

The SD150 electronic sounder range has been approved for use in potentially explosive atmospheres and very harsh environmental conditions.

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, Petrochemical, Refineries & Marine locations etc.

The unit incorporates a three stage alarm option with 60 tones to choose from.

All tones can be pre-set during installation.

The units also have the ability to be fitted with a telephone initiation function and can be used as the second ring output indicator for telephones when installed in very noisy environments.

The design allows for termination inside the enclosure.

The sounder is supplied with a mounting bracket as standard.

Features/Certifications

- Approved by ATEX, IECEx
- CQST (Available on request only)
- ATEX: Ex d IIC T4~ T6 Gb, Ex tb IIIC T135ºC~T85ºC
- Zones 1, 2, 21 & 22
- Conforms to:
EN 60079-0:2012 (IEC 60079-0:2011),
EN-60079-1:2007 (IEC 60079-1:2007)
EN 60079-31:2009 (IEC 60079-31:2008)
- Volume control
- Dustproof & Weatherproof

SD150 Series > Ordering Information

Standard Product Selection

Follow the chart (right) to generate your part code.

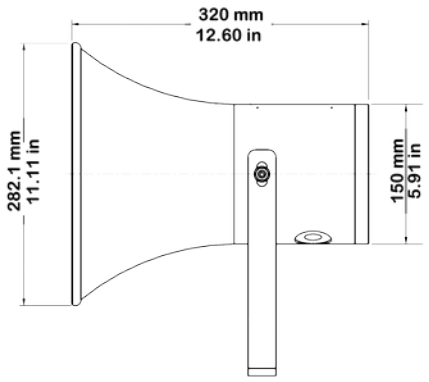
	Voltage	Duty Label	Tag Label	Cable Entry	Finish Colour	Telephone Initiated
SD150 +	**DC** 12 - 48v	**Y** = Yes	**Y** = Yes	**A** = M20	**RD** = Red	**Y** = Yes
					YW = Yellow	
					BU = Blue	
	AC 100 - 240v	**N** = No	**N** = No	**B** = M25	**BL** = Black	**N** = No
					OR = Other	

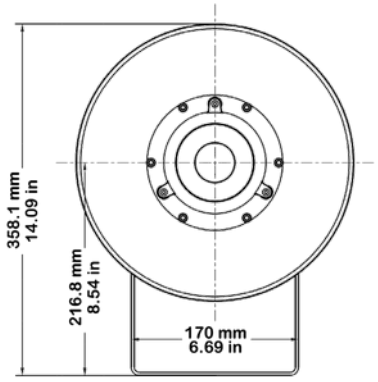
MODEL CONFIGURATOR (By using the table above, complete this box sequence to select your required sounder).

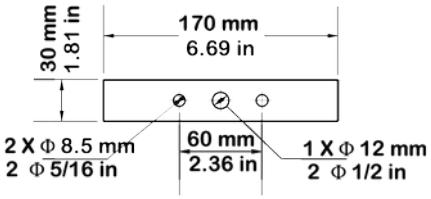
SD150						
	Voltage	Duty Label	Tag Label	Cable Entry	Finish Colour	Telephone Initiated

Kg 5.4 | **ºC** -40+70 | **IP** 66 | **dB** 113* | **MARINE** | **INDUSTRIAL** | **GRP**

APPROVALS and CONFORMITIES







Explosion Proof Sounder > GRP
SD150 Series

General Information

EX CODE:	Ex d IIC T4~ T6 Gb, Ex tb IIIC T135ºC~T85ºC
CERTIFICATION:	ATEX (Nemko 14 1009X), IECEx (NEM14.0005X) CQST (Available on request only)
TYPE:	Electronic Sounder
SOUNDER:	3 Stage alarm with 60 Selectable tones
POWER RATING:	5-20 Watts Adjustable
SOUND OUTPUT:	Up to 113 dB at 1 metre (+/- 3 dB) *
AMBIENT TEMPERATURE:	-40 to +70
HUMIDITY:	≤ 95% RH

Mechanical Specifications

MATERIAL:	Enclosure: GRP (Glass Reinforced Plastic) & Bracket: Stainless Steel 316
ENCLOSURE COLOUR:	Red (RAL3001), Yellow (RAL1003) Blue (RAL5005), Black (RAL9004)
WEIGHT:	5.4 Kg / 11.9 lb
DIMENSIONS:	Length: 320mm / 12.7” See outline drawing for other dimensions
INGRESS PROTECTION:	IP 66

Electrical Specifications

POWER SUPPLY:	≤48v Dc or 100-240v Ac (50/60 Hz), ≤20W
TERMINATION:	Accepts upto ≤ 2.5mm² incorporating rising clamp protectors
CABLE ENTRY:	2 x M20 or M25. For 1/2” or 3/4”NPT requirements, male/female adapter glands are available. Contact sales dept for further part codes.
CURRENT CONSUMPTION:	Sounder 250 mA - 1500 mA (Adjustable by tone selection)

Accessories

50200:	M20 E1EX Nickel Plated Brass Gland (Multi Armour Cone) Atex Cat 2 &3, EExde IIC 2 GD Cable ID 11 - 15.5mm OD 14.5 - 21mm Gland for Multi Armoured Cable *
50201:	M20 A2EX Nickel Plated Brass Gland Atex Cat 2 & 3, EExde IIC 2 GD Cable OD 11 - 15.5mm Gland for Unarmoured Cable *
50202:	M20 E1EX-QS Nickel Plated Brass Gland (Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC) Cable OD 14.5 - 20.5mm Barrier Gland for Steel and Aluminium Armoured Cable *
50203:	M20 A2EX Quick Stop Nickel Plated Brass Gland (Ex d IIC, Ex nR IIC, Ex tb IIC) Cable OD 9 - 15mm Barrier Gland for Unarmoured Cable *
50204:	M20 Nickel Plated Brass Stopping Plug Atex EExde I/IIC Standard M20 Blanking Plug
50221:	Epoxy Minute Adhesive 24m/l tube One tube sufficient for five barrier glands
* 25mm	Thread length for GRP products
Note:	M25 options available for the above

SD150 Series > Working Current

12v Dc	24v Dc	48v Dc	110v Ac	220v Ac
910 mA (Max 10W)	960 mA	500 mA	210 mA	100 mA