Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

SD 150 EX Sounder horn

SIL2 compliant as IEC 61508 & IEC 61511



The flameproof SD150 sounder (horn) is ATEX / IECEx certified for use in potentially explosive atmospheres and provides loud warning sounds to signal alarms in tough hazardous area applications. It quickly alerts personnel to potential dangers, or signals the need for immediate action in emergency situations. It is constructed from GRP.

ATEX / IECEx / UKEX Certification: ATEX Zone 1 and Zone 2 Certified for gas / vapour and Zone 21 and Zone 22 compliant for dust / powder applications. SIL2 compliant as IEC 61508 & IEC 61511.

Application: : Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

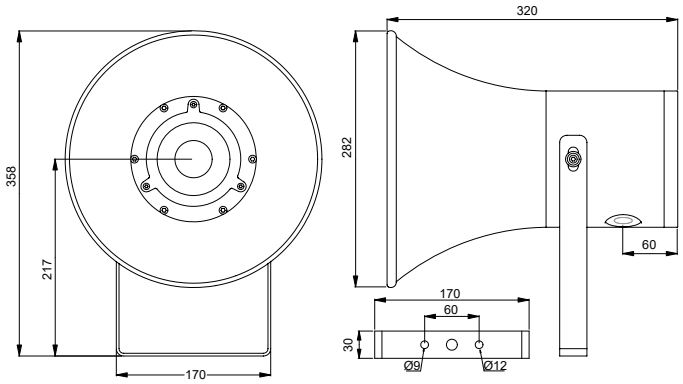
Key features: The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. Robust and highly reliable, the Ex sounder (horn) is designed for corrosive environments and hazardous areas. Housing is moulded in Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. The mounting bracket is 316L Stainless steel.

Options: A range of accessories is available to customise this ATEX / IECEx / UKEX sounder / horn. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.









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MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP) • **Bracket:** Stainless steel 316L
COLOUR	• RED : RAL3001/RAL3028 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T5** = - 40°C ~ + 60°C
CERTIFICATION	• **ExVeritas** 25ATEX2275X, IECEx EXV 25.0071X, 26UKEX2394X
EX CODE	• II 2 GD Ex db IIC T5 Gb • Ex tb IIIC T100°C Db
STANDARD	• EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• until 95%*
POWER SUPPLY	• 12-48V DC • 115-230V AC NOMINAL (100 - 240V AC Range)
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONSUMPTION	• Adjustable from 5 to 25 W (factory setting 20W)
CURRENT CONSUMPTION	• 0.5 to 1 A
SIGNALLING TYPE	• 59 tones siren
NOISE LEVEL	• Until 115 dB at 1 m
CABLES ENTRY	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2” NPT + 1 x M20, 1 x 3/4” NPT + 1 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 6.4 Kg

* = without runoff - ** = optional - cable gland and blind plug not provided

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Product	Certification	Supply	Duty label	Tag label	Connection	Housing	Standard
SD	150	DC	N	Y	A	RD	N

SD	= SOUNDER

150	= HAZARDOUS AREA
151	= NON-CERTIFIED

DC	= 12 - 48V DC
AC	= 100 - 240V AC

Y	= YES (SEE LIST)
N	= NO

Y	= YES (SEE LIST)
N	= NO

A	= 2 x M20 x 1.5
B	= 1 x M25 x 1.5 (VIA ADAPTOR) + 1 x M20
C	= 1 x 1/2” NPT (VIA ADAPTOR) + 1 x M20
D	= 1 x 3/4” NPT (VIA ADAPTOR) + 1 x M20

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

RD	= RED (STD)
YW	= YELLOW
BU	= BLUE
BL	= BLACK
GN	= GREEN
GY	= GREY
OJ	= ORANGE
OR	= OTHER

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
M25 St. St. conduit adaptor	SPARE3060105
½” NPT St. St. conduit adaptor	SPARE3060108
¾” NPT St. St. conduit adaptor	SPARE3060107
St. St Exd cable gland 7-12mm	SPARE3060108
St. St Exd cable gland 10-16mm	SPARE3060109

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
M25 NPB conduit adaptor	SPARE3060003
½” NPT NPB conduit adaptor	SPARE3060001
¾” NPT NPB conduit adaptor	SPARE3060002
NPB Exd cable gland 7-12mm	SPARE3060019
NPB Exd cable gland 10-16mm	SPARE3060018

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