Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

# SD 125 EX Sounder horn

SIL2 compliant as IEC 61508 & IEC 61511



The flameproof SD125 sounder is ATEX / IECEx / UKEX 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 316L stainless steel.

**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.

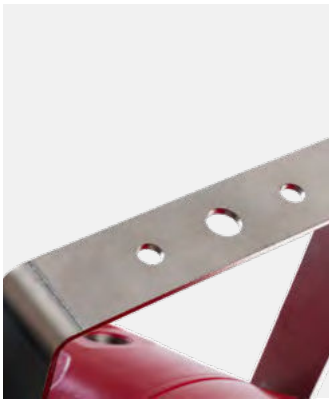
**Application:** Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

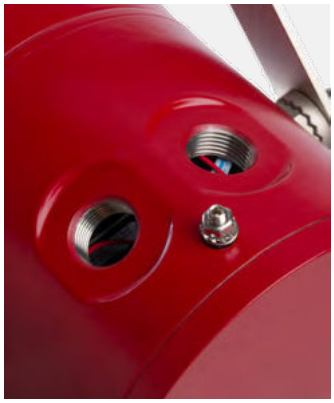
**Key features:** The explosion proof sounder (horn) can be set with up to three tones among 59 prerecorded tones (according to user control system). Pausing of the signal can be done by an external switch. Robust and highly reliable, the Ex horn / sounder is designed for corrosive environments and hazardous areas. The housing is made of 316L stainless steel covered with UV resistant paint. The mounting bracket is 316L Stainless steel.

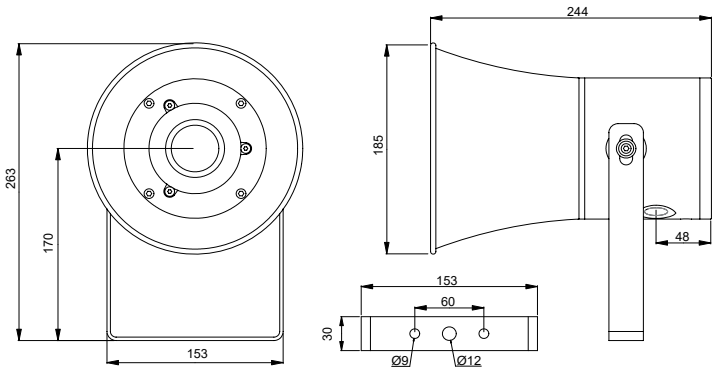
**Options:** A range of accessories is available to customise this ATEX / IECEx / UKEX sounder / horn. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.










Phone: +44 (0)1752 333 933 | E-mail: sales@ex-techsignalling.com | Website: www.ex-techsignalling.com
Ex-tech Signalling Bell Close, Plympton, Devon, PL7 4JH, UK

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| | |
|---|---|
| MATERIAL | • **Enclosure and bracket:** Stainless steel 316L |
| COLOUR | • RED : RAL3001 • YELLOW : RAL1018 • BLUE : RAL5005<br>• BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038<br>• ORANGE : RAL2010 |
| INGRESS PROTECTION | • IP66/67 |
| AMBIENT TEMPERATURE FOR OPERATION | • **T6** = - 40°C ~ + 50°C, **T5** = - 40°C ~ + 70°C |
| CERTIFICATION | • **ExVeritas** 26ATEX2397X, IECEx EXV 26.0029X, 26UKEX2398X |
| EX CODE | • II 2 GD Ex db IIC T6 / T5 Gb<br>• Ex tb IIIC T85 / 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 | • 7.9 Kg |

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

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| Product | Certification | Supply | Duty label | Tag label | Connection | Housing colour | Standard |
|---|---|---|---|---|---|---|---|
| SD | 125 | DC | N | Y | A | RD | N |

**Product**

SD = SOUNDER

**Certification**

125 = HAZARDOUS AREA
126 = NON-CERTIFIED

**Supply**

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

**Duty label**

Y = YES (SEE LIST)
N = NO

**Tag label**

Y = YES (SEE LIST)
N = NO

**Connection**

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.

**Housing colour**

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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