

▶ BEXS

Electronic siren ATEX 117 dB zones 1, 2, 21 & 22



Technical specifications

Maximum output

- 117 dB (A) @ 1 m max.
- 110 dB (A) @ 1 m (son N°2)

Number of tones: 32 tones including the NF S32-001
 3 remotely selectable alarm stages/channels

Volume control: adjustable
 (Example : sound 2 max. 110 dB - min. 72 dB)

Choice of sounds: selectable by micro-switch
 Automatic synchronisation on multi-sounder system

Ingress protection: IP 66/67

Operating factor: 100 %

Weight: Vcc version: 3 kg and Vac version: 3.2 kg

Dimensions: 263 x Ø 122 mm

Cable entries:

- 1 ATEX M20 plug
- 1 ATEX PE M20 non-armoured

Terminals: 0,5 - 4,0 mm²

Housing material: self-extinguishing LM6 and ABS aluminium

Operating temperature: -50 °C to +55 °C

Mounting: adjustable stainless steel bracket mounting

Certifications:

- ATEX KEMA 99ATEX6312X
- II 2G Ex d IIB T4 Ta -50 °C to +70 °C
- II 2G Ex d IIC T4 Ta -50 °C to +55 °C
- II 2D Ex tb IIIC T100 °C Db Ta -50 °C to +55 °C
- II 2D Ex tb IIIC T115 °C Db Ta -50 °C to +70 °C
- IECEx KEM 10.0003X
- SIL1 according to IEC 61508 – SIL2 (optionnal)
- MED marine (optionnal)

Product description

Designated to work in an explosive atmosphere, the **electronic alarm BEXS** gets a sound power of 117 dB. Made of marine grade copper-free LM6 aluminium, it is particularly well suited to the rigorous conditions of use generally observed in Oil & Gas, chemical, and all offshore applications.

The **BEXS ATEX siren**, combining design and robustness, is a strategic link in the safety chain of severe industrial installations for gas detection, fire detection, or process defects. It offers a choice of 32 configurable sounds and up to 3 remote-controlled sounds, ideal for graduating alarm levels.

▶ Key strengths

- IECEx, ATEX, Ex EAC and INMETRO approved (MED optional).
- ATEX zones 1, 2, 21 & 22 for gas and dust hazards (GD).
- Maximum output : 117 dB.
- 32 selectable tones by micro-switches including NF S32-001 sound.
- 3 remote control tones.
- Automatic synchronization of the sirens in parallel.
- Construction materials: marine grade copper-free LM6 aluminium marine grade aluminium construction with powder coated chromate finish.
- Ingress protection IP66/IP67.
- Extreme operating temperatures: -50 à +55°C.
- SIL1 according to IEC 61508, SIL2 (optional).

Model selection

| Reference | Description | Consump. |
|-------------------|---------------------------|----------|
| BEXS110D024 | Siren ATEX 24 Vcc | 265 mA |
| BEXS110D024-SIL2* | Siren ATEX dB 24 Vcc SIL2 | 265 mA |
| BEXS110D115 | Siren ATEX 115 Vcc/Vca | 110 mA |
| BEXS110D230 | Siren ATEX 230 Vcc/Vca | 56 mA |

*(A product SIL2 must be integrated into a SIL2 system)

E2XS siren



In the same range of quality and performance, the **E2XS** electronic siren is certified ATEX zone 2 & 22 with an audible power of 116 dB or 121 dB. It is particularly suitable for use in noisy industrial environments.

This ATEX siren offers a choice of 45 sounds, 3 of which can be controlled remotely.