



## Explosion-proof Sounder dEV20

**Loud signalling device  
with 32 different signal tones  
for use in Zones 1 + 2 and 21 + 22**

- ▶ Sound pressure level: up to 115 dB(A)
- ▶ 32 signal tones, 2-stage alarm
- ▶ Volume adjustable (3 steps of 10 dB)
- ▶ Aluminium housing, Polyamide
- ▶ ATEX Approval
- ▶ IP66
- ▶ II 2 G Ex d e IIB + H2 T6 Gb
- ▶ II 2 D Ex tb IIIC T85°C Db



### Application

Hazardous areas often require the use of acoustical signals for warning or information purposes. The ExII-sounder dEV20 offers both of these signalling features. The device is designed for continuous operation. If the supply voltage is turned on, the sander is activated.

The ExII-sounder dEV20 is made to protection category IP66 and may be used indoors or outdoors.

### Design

The ExII-Sounder consists of a compression-proof housing with aluminium alloy and a sound channel of impact-resistant polyester. The terminal compartment is executed in the protection type „extended safety“.

The sander dEV20 disposes of two signal levels. The signal tone for the first level is adjusted with the slide switches 1-5 (S0) according to the signal choice list. The signal tone for the second signal level is adjusted with the slide switches 6-10 (S1).

Delivery condition: S0 = Tone 24 ,  
S1 = Tone 4

### Warning in a chemical plant

The ExII-sounder dEV20 is made to protection category IP66 and may be used in zones 1 + 2 and 21 + 22.

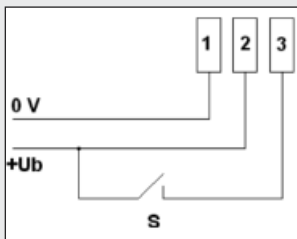


## Technical specifications

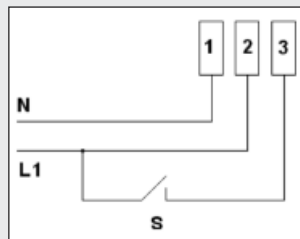
|                                 |  |
|---------------------------------|--|
| Housing                         | seawater resistant Aluminium,<br>sound protection hood Polyamide (black) |
| Protection degree               | IP66   |
| Cable gland                     | M20 x 1.5 (cable 5.5 to 13 mm)   |
| Signal selection                | by DIP switches  |
| Volume                          | max. 115 dB(A) reducible in 3 levels<br>each by 10 dB                    |
| Signal tone                     | 32 for each signal level   |
| Current consumption             | 93 - 460 mA (dep. on voltage variation)                                  |
| Power consumption               | max. 14 W  |
| Clamping capacity               | to 2.5 mm <sup>2</sup>   |
| Housing degree of protection    | IP66   |
| Protection class                | I  |
| EC type examination certificate | PTB 12 ATEX 1014   |
| Ambient temperature             | T6: -50°C to +60°C   |
| Type of protection              | II 2 G Ex d e IIB + H2 T6 Gb<br>II 2 D Ex tb IIIC T85°C Db               |
| Dimensions                      | ~ Ø 144 x 345 mm   |
| Weight                          | 2.8 kg   |

### Switching of the signal levels

#### Sounder for DC voltage



#### Sounder for AC voltage

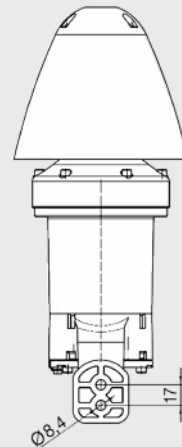
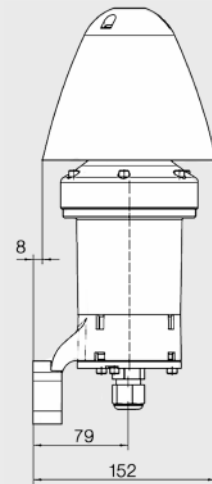
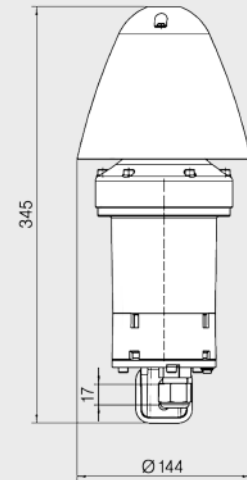
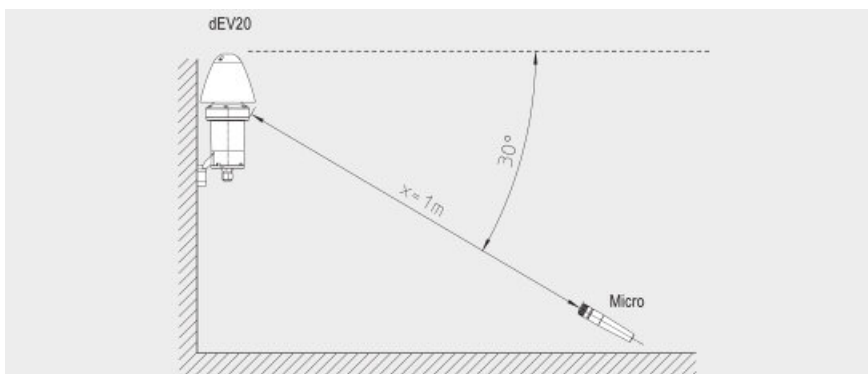


Connecting clamps  
in the terminal compart-  
ment

Extern circuitry

1. signal stage: switch S open
2. signal stage: switch S closed

### Measurement Method



## Order information

| Type  | Name       | Rated Voltage U <sub>e</sub> | Current consumption | Article no. |
|-------|------------|------------------------------|---------------------|-------------|
| dEV20 | Ex-Sounder | 24 VDC                       | 460 mA              | 215 910 13  |
| dEV20 | Ex-Sounder | 85 - 265 VAC                 | 93 mA (230 V)       | 215 910 07  |

Subject to change without notice · Printout 01/13

