

## Ex de



## Introduction

Hazardous areas often require the use of acoustical signals for warning or information purposes. The ExII-sounder dEV20 offers both of these signalling features and is designed for continuous operation.

The ExII-sounder dEV20 has an ingress protection rating of IP66, meaning it is suitable for both indoor and outdoor installation.

The ExII-Sounder consists of a flame-proof housing manufactured from a light grade aluminium alloy and a sound channel made from impact-resistant polyester.

The sounder dEV20 includes 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

## Features

- 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 + H<sup>2</sup> T6 Gb
- II 2 D Ex tb IIIC T85°C Db

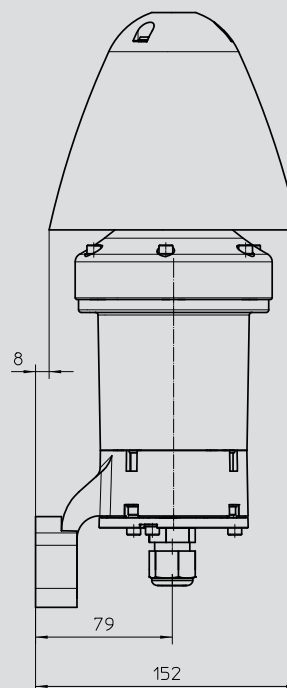
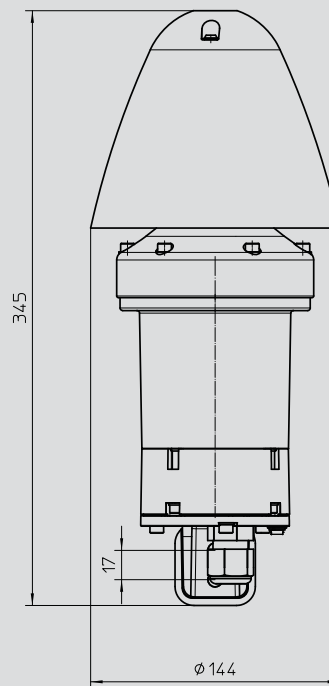
## Warning in a chemical plant

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



# Certification and Specification

<b>Type of protection:</b>	ATEX Cert. No. PTB 12 ATEX 1014. II 2 G Ex d e IIB + H2 T6 Gb. II 2 D Ex tb IIIC T85°C Db. IECEX Cert. No. IECEX PTB 13.0012 Ex d e IIB + H2 T6 Gb Ex tb IIIC T85°C Db
<b>Protection class:</b>	I.
<b>Certified temp:</b>	T6: -50°C to +60°C
<b>Housing:</b>	Seawater resistant Aluminium, sound protection hood Polyamide (black).
<b>Weight:</b>	2.8 kg
<b>IP rating:</b>	IP66.
<b>Cable entries:</b>	M20 x 1.5 (cable 5.5 to 13 mm).
<b>Signal selection:</b>	By DIP switches.
<b>Volume:</b>	Max. 115 dB(A) reducible in 3 levels each by 10 dB.
<b>Signal tone:</b>	32 for each signal level.
<b>Current consumption:</b>	93 - 460mA (dep. on voltage variation).
<b>Power consumption:</b>	Max. 14 W.
<b>Clamping capacity:</b>	To 2.5 mm <sup>2</sup> .
<b>Dimensions:</b>	~ Ø 144 x 345 mm.



ALL DIMENSIONS IN MILLIMETRES

## Ordering Information

Type	Name	Voltage	Current Consumption	Article no.
dEV20	Ex-Sounder	24 VDC	460 mA	F215 910 13
dEV20	Ex-Sounder	85 - 265 VAC	93 mA (230 V)	F215 910 07

All specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.



6DS156/A 11/13