

DSP 15 EExeNT (IIC) - ATEX Explosion-proof Horn Speaker



Main features

- Robust industrial technology
- Sturdy and robust design
- Ingress protection IP 67
- ATEX-certification

The explosion proof horn speakers of the DSP 15 EExeNT (IIC) - ATEX series are used together with the INDUSTRONIC communication and public address system. They are ideal for harsh and challenging environments as well as extreme temperatures. The M20 cable gland protects against the ingress of dust and water.

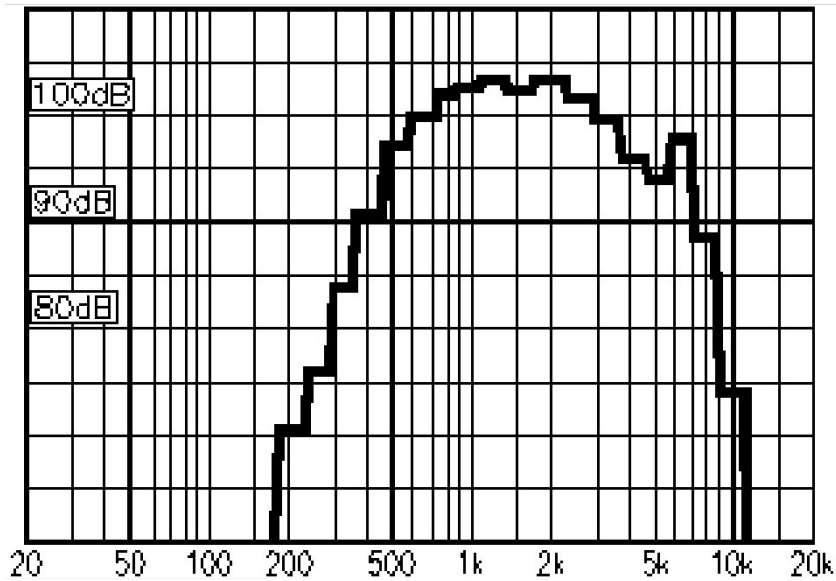
Mechanical data

• Housing	Special plastic, anti-static
• Front dimensions, Depth	186 mm x 144 mm, 207 mm (7 1/4" x 5 1/4"; 8")
• Cable entries	2 x M20
• Cable gland	1 x M20
• Connection	E-chamber terminals
• Ingress protection	IP 67
• Weight	2.2 kg (5 lb)
• Color	Black, RAL 7031
• Mounting	Stainless steel bracket

Electrical data

• Rated power	15 W
• Transformer tapplings	100 V: 15 W / 7.5 W / 4 W / 2 W
• Sound pressure level 1 W, 1 m	102 dB
• Sound pressure level 15 W, 1 m	113 dB
• Effective frequency range	450 Hz to 6000 Hz
• Dispersion angle (-6dB)	1 kHz: 105° 4 kHz: 35°
• Certification, number	Ex II 2 GD, EEx de IIC T5, 03ATEX100
• Operating temperature	- 50 °C to + 50 °C (-58 °F to 122 °F)

Frequency diagram



Measurement conditions:

Sound Pressure Level (SPL): 1W / 1m

Pink noise: 1/3 octave filter

Output level related to distance

P _{max} : 15 W	Level (dB) at	(-6dB)	(-14dB)	(-20dB)	(-23dB)	(-26dB)	(-28dB)	(-29dB)	(-36dB)
		1 m	2 m	5 m	10 m	15 m	20 m	25 m	30 m
		107	99	93	90	87	85	84	77

Polar diagram

