NEW product!

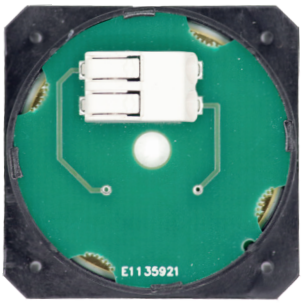


SCS - 32 CON SP02 SCS SERIES

# Multi Tone Piezo Speaker

The **SCS-32 CON SP02** speaker is an extremely energetic and reliable, quality piezo speaker of the SCS - series which have proven themselves for many years in harsh environmental conditions and applications.

Good sound quality and limited distoration guarantee a clear reproduction of multiple tones. These loudspeakers are characterized for its complex sound in which two or more tones can be combined. No soldering is required as this speaker has a WAGO 2060 terminal block on the back. Due to the robust design and strong internal wires, the speaker can be used in difficult environmental conditions because of resisitance of the front to water, humidity, vibrations and dust.




## ADVANTAGES & APPLICATIONS

***ADVANTAGES :***

- ✓ Very flat and solid design
- ✓ Robust design
- ✓ Dust, water- and shockproof front panel
- ✓ Broad frequency range in small size
- ✓ No electro magnetic field (EMC)
- ✓ Optional acrylcoating (MC)
- ✓ Terminal block WAGO 2060
- ✓ No need for soldering
- ✓ Possible wire connections ( 18 AWG -24 AWG )
- ✓ Long lifetime

***APPLICATIONS :***

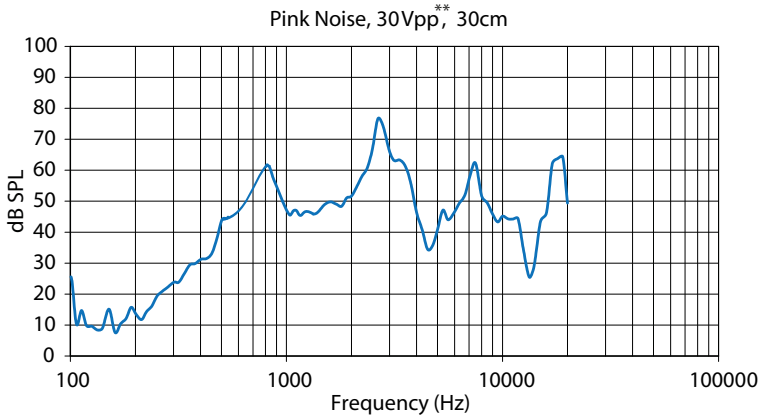
| | | | |
|---|---|---|---|
| Medical equipment | Communication equipment | Computer equipment | Paying systems |
| Home equipment | Industrial equipment | Flight instrumentation | Multimedia equipment |

## SPECIFICATIONS

| | |
|---|---|
| Operating temperature | -40°C to +85°C |
| Storage temperature | -40°C to +85°C |
| Case material | PBT (UL rating: 94 HB) |
| Standard colour of case | Black |
| Weight | 6.7g |

## FREQUENCY RESPONSE

### Sound pressure level vs. frequency




*Pink noise measurements made in free air.*
*The speakers were mounted in a box with dimensions 40x15x5 cm.*

### Specifications

| Frequency range | Capacitance +/- 20% | Mean peak SPL @30cm @21VPP Square wave |
|---|---|---|
| 500-8000Hz | 80 nF | 750Hz - 77dB(A)<br>900Hz - 84.5dB(A)<br>1000Hz - 87dB(A)<br>1100Hz - 88.5dB(A)<br>2500Hz - 79.8dB(A)<br>2700Hz - 84.5dB(A)<br>2900Hz - 94.4dB(A)<br>3200Hz - 98dB(A)<br>3500Hz - 94dB(A) |
| Operating signal voltage | | |
| 5 to 21 Vpp<br>Square wave | | |

**Pink noise:** 1/f noise is a signal with a frequency spectrum such that the power spectral density is inversely propotional to the frequency. In pink noise, each octave carries an equal amount of noise power.
There is equal energy in all octaves ( or similar log bundles)

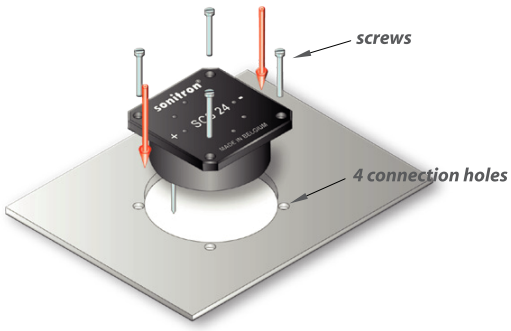
***30VPP Sine wave is translated to a Pink Noise of 10.5 Vrms.*

## PRODUCT OPTIONS

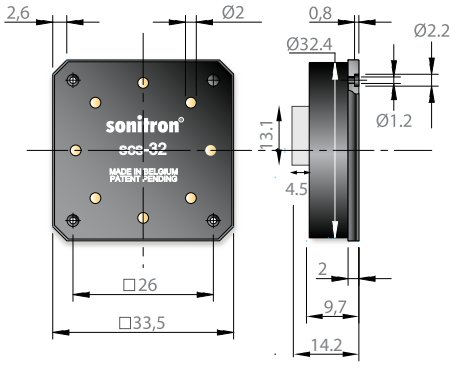
| Option Code | example | Description |
|---|---|---|
| ***MC*** | SCS-32 CON SP02 MC | Acryl coating ( Membrane coating).<br>Recommended for aggresive, humid or smoggy environment. |

## MOUNTING INSTRUCTIONS & DIMENSIONS (in mm)

### Panel mounting secured with 4 screws




### SCS-32 CON SP02




## PRODUCT CODIFICATION

| SCS | 32 | CON | SP02 |
|---|---|---|---|
| **S**onitron<br>**C**eramic<br>**S**peaker | Square diameter (mm) | WAGO 2060 Connector for wires 18 AWG - 24 AWG | Inside heavy duty wires and solder connections sealed with silicone |

** Would you like to know how you can increase the lifetime of your Sonitron sound component?*
*learn more at https://www.sonitron.be/soundcomponentlifetime/*