

SPECIFICATION

Pandör - DST 2cc prototype

Pandör hearing protection utilises our patented Dynamic Sound Technology – DST. DST is a dynamic acoustic filter which has been developed to provide hearing protection for all day use in environments with variable noise levels.

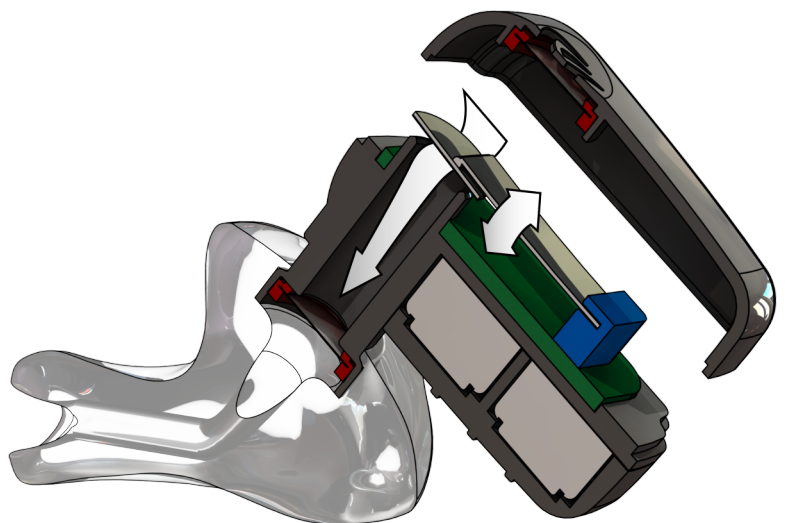
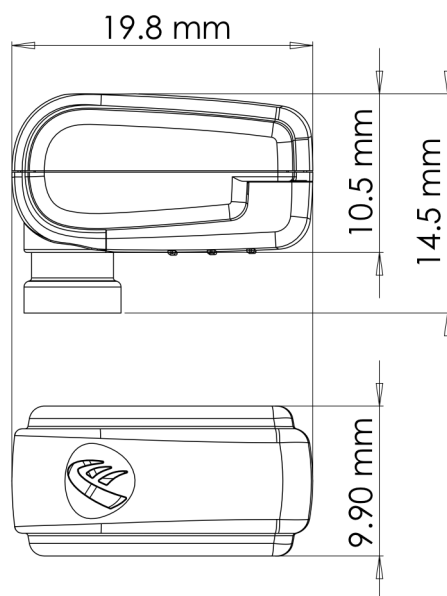


DST provides hearing protection only when required. As sound reaches levels that cause permanent damage to hearing the DST valve begins to close, reducing sound reaching the ear to a safe level. As the external sound level reduces the DST valve partially or fully opens, allowing free communication and environmental awareness.

Pandör DST hearing protection modules are suitable for use with both custom earmoulds and universal plugs, providing the required level of hearing protection whatever the environment. Pandör hearing protection and earphone devices are interchangeable with all DEC products including Inör (IEM) and Filtör (passive filters).

DST is also available with integrated receiver making it suitable for use with mobile phones, MP3 players, Bluetooth and communication devices.

Drawing

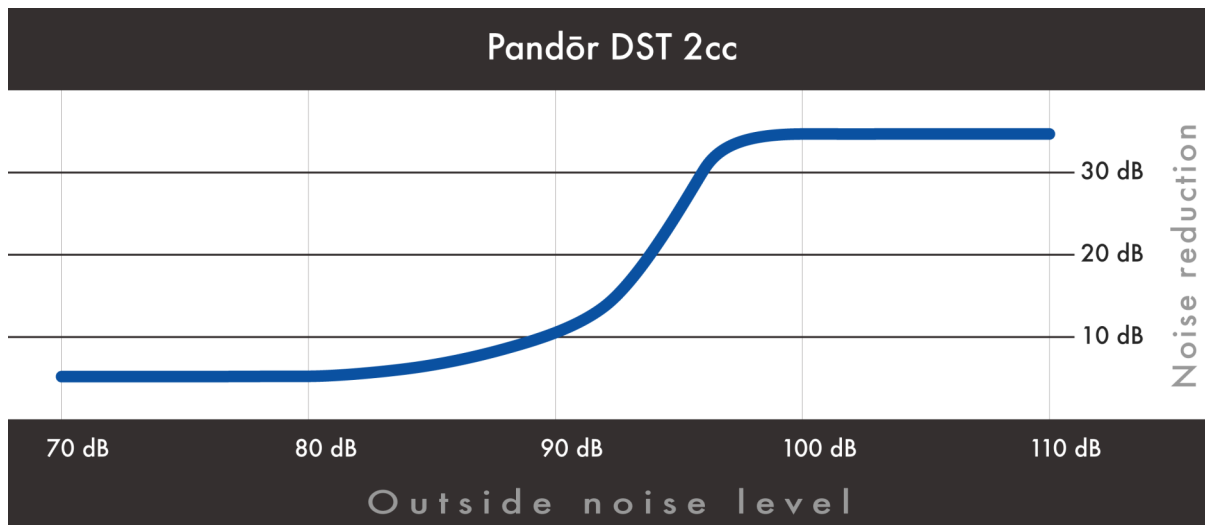




TENTATIVE

Acoustic Specification

| Minimum damping level [dB] | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz | H | M | L | SNR |
|----------------------------|--------|--------|--------|-------|-------|-------|-------|----|----|----|-----|
| DST open | 0 | -1 | -3 | 3 | 20 | 24 | 14 | 11 | 2 | 0 | 6 |
| DST closed | 21 | 24 | 31 | 31 | 38 | 37 | 33 | 36 | 30 | 19 | 34 |



Attenuation is calculated in accordance with CE norm EN 353.2 by ISO 4869.2 for high (H), medium (M), low (L) frequency level and as the single noise attenuation rating (SNR)

- Attack time: 30 ms (programmable)
- Release time: 20 s (programmable)
- Reference level: 80 dB ± 2 dB (programmable 65 – 85dB)
- Dynamic range (SNR): 28 dB ± 3 dB

Pandor DST 2CC requires 2 '10' zinc-air batteries.

CE certification is required in order to sell Pandor in combination with custom earmoulds or universal plugs as hearing protection. Contact DEC for all your CE certification requirements.