

When innovation goes beyond imagination



**BoSS OMNI - DIRECTIONAL
BEM Technology (behind the ear microphone)
8 channels – 12 bands – 4 programs**

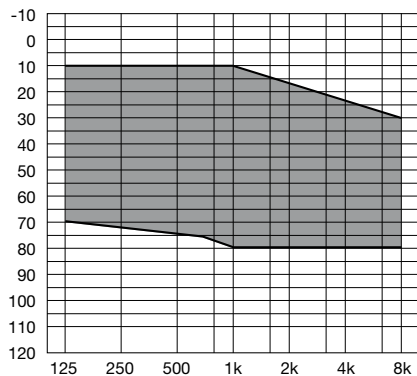
- Advanced digital circuit with dual core processor
- 8 channel WDRC with Dynamic Contrast Detection™
- Three-mode adaptive constants to optimize WDRC performance in critical environments
- Compression ratio and compression threshold independently configurable in each destination
- Layered noise reduction
- 12 bands noise reduction



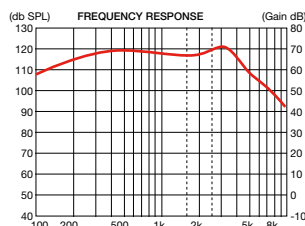
- 17dB cut setting, valuable for extreme noise situations
- Soft-squelch reduces low-level noise, including microphone noise
- Reliant™ adaptive feedback canceling
- 3rd generation AFC technology
- Phase canceller technology for faster detection times, more added stable gain and better anti-entrainment behavior
- Omni-directional microphone strategy
- 8 frequencies tones generator

- 4 independent programs controlled by a reed switch
- Data logging
- Start-up delay
- Low battery warning
- Battery: 10A
- Fitting software by CRAI

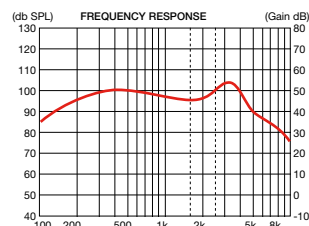
Options:
flat-spectrum random noise generator, for the tinnitus treatment.



FITTING RANGE

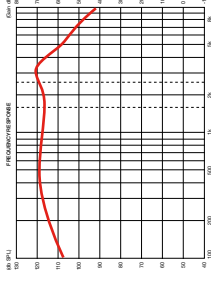
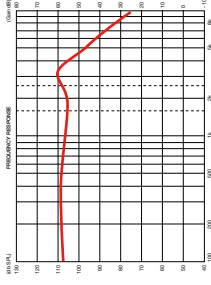


OSPL90

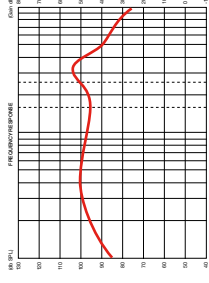
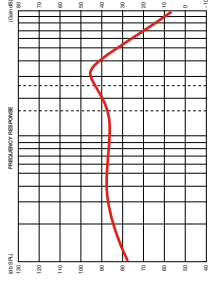


FULL ON GAIN

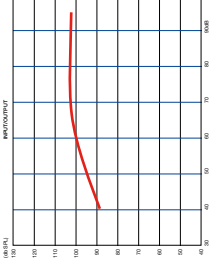
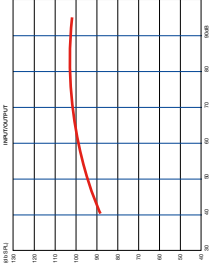
MPO: 112 dB SPL at 2900 Hz.
MPO at 1600 Hz: 105 dB SPL



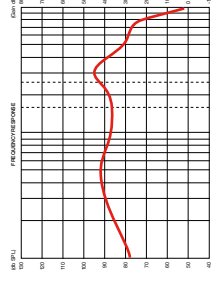
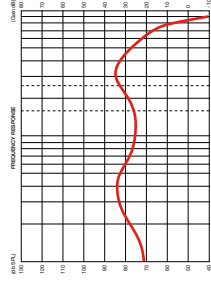
Max gain: 45 dB a 3150 Hz
Max gain at 1600 Hz: 35 dB
Equalizer range: 0/-40 dB
General gain range: 0/-47 dB



Compression knee:
from 40 to 75 dB
Compression ratio:
from 1:1 to 1:4



Frequency range: < 100-7500 Hz
Distortion: < 0,7% (1,7% at 500,
0,2% at 800, 0,4% at 1600 Hz)
Circuit noise: < 26 dB



MPO: 122 dB SPL at 3150 Hz.
MPO at 1600 Hz: 114 dB SPL

Max gain: 55 dB a 3650 Hz
Max gain at 1600 Hz: 45 dB
Equalizer range: 0/-40 dB
General gain range: 0/-47 dB

Compression knee:
from 40 to 75 dB
Compression ratio:
from 1:1 to 1:4

Frequency range: < 150-7800 Hz
Distortion: < 0,9% (1,7% at 500,
0,6% at 800, 0,3% at 1600 Hz)
Circuit noise: < 25 dB

Compression channels: 8

Maximum output reduction: max 20 dB independently for each
compression channel

AGC: different modes: Basic A: 100/200 msec; Basic B: 60/450 msec;
Basic C: 40/580 msec; Dual mode A: 2/100/450 msec; Dual mode B:
2/100/580 msec; Dual mode C: 50/100/580 msec; DCD 1: 2/100/580
msec; DCD 2: 50/100/580 msec; DCD3: 100/100/580 msec.

Programs: max 4, selectable with a reed switch

Noise reduction: independent adjustment in each of the 12 channels, up to
-17 dB

Data logging: usage time, low-battery warnings, program changes

Battery: 10A

Battery consumption: 0,83 mA.

Average battery life: > 64 hours

Tones generator: frequencies 250, 500, 750, 1000, 1500, 2000, 3000, 4000
from 40 to 90 dB SPL

Noise generator: from 30 to 65 dB SPL