



Drum

HEARING INSTRUMENT TEST BOX (HIT)

DESCRIPTION

Drum is a hearing instrument test box (HIT), with a high ambient noise attenuation level. Drum gives you the chance to perform all the tests aimed at hearing aids analysis via air conduction.

STANDARDS

IEC 60118-7/ ANSI S3.22

AVAILABLE MEASUREMENT MODALITIES

Single-curve or multi-curves
Standard or custom measurements

AVAILABLE TESTS

- OSPL90
- Full On Gain (FOG)
- I/O
- Attack/Release
- Frequency Response
- Equivalent Input Noise
- THD
- Battery Drain
- Telecoil
- Frequency Measurement (sweep or broadband)

AVAILABLE OUTPUTS

Loudspeaker or Telecoil

AVAILABLE STIMULI

Pure tone, sweep or broadband stimuli

HIT: FREQUENCY, INTENSITY AND MEASUREMENTS

Frequency range: 125 Hz – 10 kHz (HIT),
125 Hz – 12 kHz (RECD with REM module)

Frequency resolution: 1/3, 1/6, 1/12, 1/24 per octave

Intensity range: 40 – 100 dB SPL

Coupler intensity range: 40 – 145 dB

Reference microphone measurement: Omni-Directional

Telecoil stimulation range: 10-100 mA/m

ATTENUATION FEATURES



* WN @ 90 dB RMS

1kHz attenuation: 33dB SPL

INTERNAL CHAMBER

Egg-shaped (Minimum sound reflection)

Internal dimensions: 15x25x13cm

H.A. position: Floating, on acoustically-transparent material, in front of the loudspeaker

Loudspeaker features: 3", full range

Drum is developed by Inventis s.r.l.

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AVAILABLE COUPLERS

2cc coupler for hearing aids:

- ITE
- RIC
- BTE

BATTERY SIMULATORS

Standard 10A, 13, 312, 675

MONITORING

Operator interface for coupler monitoring

CALIBRATION

Validity: 12 months

COMPUTER INTERFACE

USB connection (driverless)

Compatible software: Inventis Maestro (Noah compatible)

PC MINIMUM REQUIREMENTS

Processor: Intel® i3 or above

Display: 1280x1024

Operative system: Windows 7 SP1 or above, 32 or 64 bits

POWER SUPPLY

Power supply: 15V, 2A cont., through an external medical grade 100-240 Vac 50/60 Hz power supply

MECHANICS

Size (WxDxH): 31.5 x 32.5 x 22 cm / 12.4 x 12.8 x 8.7 in

Weight: 7.5 kg / 16.5 lbs

APPLICABLE STANDARDS

IP Classification: IP20

HIT: IEC 60118-7 / ANSI S3.22

Electrical safety: IEC 61010-1

EMC: IEC 61326-1

MDR CLASSIFICATION

MDR (EU) 2017/745 classification: Class I without a measuring function

Classification rule (Annex VIII, MDR (EU) 2017/745): 13

INCLUDED PARTS

- Reference microphone
- Coupler microphone
- 2cc cavity
- Couplers for ITE, BTE, RIC
- Putty for h.a. adapter
- BTE coupler tubes
- Clips for BTE h.a. positioning
- Coupler foam support
- Battery simulator
- Inventis Software Suite
- User manual
- Medical power supply
- USB cable