



# GSI NOVUS™

## AABR/OAE SCREENER

### Technical Specifications

The Novus is an active, diagnostic medical product. The device is classified as a class Ila device according to the EU medical directive 93/42/EEC and a class II device according to the US FDA.

#### General Specifications

##### Environmental Conditions:

- › + 15 °C... + 35 °C / + 59 °F... + 95 °F (operation)
- › - 20 °C... + 50 °C / - 4 °F... + 122 °F (transport and storage)
- › Maximum humidity 90 % (operation, non-condensing)
- › Maximum humidity 95 % (storage, non-condensing)

**Weight:** 265 grams (with battery)

**Dimensions:** 158 mm x 83 mm x 19mm

**Display:** 95 mm x 56 mm, color, 272 x 480 resolution

**User Interface:** Resistive touch screen

**User Feedback:** Integrated speaker

**Language Settings:** English, default. (15 options)

**Memory:** 1GB

**Data Interfaces:** USB, Bluetooth®

**Boot Up Time:** <5 sec

**Battery:** Li-ion battery 44794; Capacity: 3.7V/3850 mAh

**Warm Up Time:** No warm-up time necessary after boot

#### Instrument Specifications – AABR

**Test Signals:** CE-Chirp®

**Stimulus Rate:** 88/sec left ear, 92.5/sec right ear

**Stimulus Level:** 35 dB nHL (default protocol)

**Data Collection:** 22 kHz sample rate, 24 bit

#### Preamplifier

**EEG Filter:** 0.5 Hz – 5.0 kHz

**Gain:** 72 dB

**CMRR:** >100 dB at 100Hz

**Sample Rate:** 22.05 kHz

#### Instrument Specification – OAE

##### DPOAE

**Stimulus Frequencies:** 2000, 3000, 4000, 5000 Hz

**Stimulus Frequency Range:** 1500-6000 Hz

**Nominal Frequency, F2/F1 Ratio:** F2, 1.22

Level L1/L2: 65/55 dB SPL

##### TEOAE

**Stimulus Type:** Non-Linear Click (according to IEC 60645-3)

**Stimulus Frequency Range:** 1000 – 4000 Hz

**Stimulus Level:** 83 dB peSPL, peak to peak calibrated, AGC controlled

#### Cradle

##### ELECTRICAL ISOLATION

**DC Power In:** 5V/1.6A

**Power Supply:** AC 100 – 240 V, ~ 50/60 Hz, 400mA

#### Transducers

Radioear IP30 Insert Earphones

Probe for OAE and AABR testing

#### Printer (optional)

**Type:** Thermal

**Connection:** Bluetooth®

**Battery:** Lithium Ion, DC 7.4V, 1500 mAh

**Charger:** AC 100-250V, ~ 50/60 Hz, 1.0 A

**Weight:** 360 g / 12.7 oz

**Paper:** Thermal paper or labels

#### Standards Compliance

##### Standards:

- › IEC 60601-1, Class II, Type BF
- › IEC 60601-1-2
- › IEC 60601-2-40
- › ISO 389-2
- › ISO 389-6
- › IEC 60645-3
- › IEC 60645-6 (2009), Type 2
- › IEC 60645-7, Type 2