

## Interacoustics VRA201 Kamplex

Visual Reinforcement Audiometry- Efficient Paediatric Audiometry



# VRA201

Visual Reinforcement Audiometry

The VRA201 has been developed for paediatric audiometry.

The VRA201 is an MDF box with a built-in loudspeaker and a toy animal hidden behind a smoke-coloured plexi glass front panel. By means of a push on a button, the toy animal gets illuminated and starts moving/shaking.

### Visual Reinforcement Audiometry

VRA (Visual Reinforcement Audiometry) is done by stimulating the playing child from approximately two to six years of age with sound, and its motivation for reacting/participating in the test is awarded by a little »Teddy bear tap dance«. In this

way it is easier to conduct a hearing test. Typically you will find lower thresholds as the child cooperates for a longer time and reacts more times.

There is a built-in loudspeaker in the VRA201, but if needed an external loudspeaker with better specifications can be placed under the VRA box. Typical measurements require minimum two units of VRA201.

### Operation

The loudspeaker unit in the VRA201 is connected directly to the loudspeaker output on the audiometer/amplifier while the toy is

controlled manually by means of a response switch. More boxes can be connected serially, as just one animal will move at the time. The speed is regulated by means of a potentiometer on the rear panel.



*Kamplex*



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### General Technical Specifications

#### Specifications

**Dimensions:** LxWxH:

28x30x45 cm/11x12x18 inches

**Weight:** 7.8 kg/17.4 lbs.

**Compatible with:** AD229-1, AC33-2 and AC40-2 (1-when connected to the external AP12 Amplifier; 2-when connected to the built-in amplifier APD or external AP12).

**Included Parts:**

Patient Response Button  
Power Supply  
CE manual  
Power Cable  
Toy Animal

**Standards:**

Safety: EN 60601-1  
EMC: EN 60601-1-2

**Medical CE-Mark:**

The CE-mark indicates that Interacoustics AVS meets the requirements of Annex II of the Medical Device Directive 93/42/EEC. Approval of the quality system is made by TÜV - identification no. 0123

**Power:**

External power supply UPS400

**Consumption:**

Max 45 W

**Construction:**

Wooden (MDF) cabinet

#### Performance

**Loudspeaker:**

Maximum Intensity:  
80dBHL (250 Hz - 6 kHz)  
80dB SPL (125 Hz - 8 kHz)  
Frequency Response:  
125 Hz - 6 kHz +/- 10dB

**Sensitivity:**

90 dB SPL/1m/1 watt

**Impedance:**

8Ω

**Light:**

Four bulbs of 10 W, 12 Vdc

SPECIFICATION CAN BE SUBJECT TO CHANGE WITHOUT NOTICE

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