VRA System

Visual Reinforcement Audiometry

The Kamplex Visual Reinforcement Audiometry System (VRA) is produced in response to the needs of Professional Audiologists, who require an effective and easily controlled reward system for use during paediatric hearing assessments.

The VRA system consists of two cabinets, each giving a choice of three soft toys that can be illuminated and animated to provide a reward. Any individual toy, any combination of two or all three toys per tower can be activated by the easy to use hand controller. The toys remain concealed behind black tinted Perspex screens until activated.

The toys are used as a reward for child patients (ages 2-6 years) when they react to sound during testing. This makes the audiological testing easier to carry out, especially with subjects who have limited attention span. Children tend to co-operate for longer with a VRA system and provide more reactions. The system has proved very effective in obtaining accurate thresholds in hearing impaired children.

This CE marked system is mains powered but operates only on low voltages, controlled by an easy to use handheld unit, engineered for safety and long life. It can be used with any audiometer or free field setup.

This VRA system has been produced for two decades and is in daily us across locations in the UK and Ireland. Designed and manufactured by Designability, a charity dedicated to improving the quality of life of children and adults with disabilities and health problems. Designability are based at the Royal United Hospital in Bath.

Compatibility

The VRA system is compatible with any free field capable audiometer as no physical connection with the VRA system is required. Two free field speakers will need to be added to the system to carry out testing. PC Werth has a range of suitable speakers – please ask for a quote.

Soft Toys

The following toys are currently available for selection: penguin, cat, dog, cow, rabbit or giraffe. In addition a flashing beacon can also be used in place of any toy. If this is chosen then the internal white led light strips, although fitted, will not be connected as they would drown the effect of the beacon with light.

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Specifications

System components	
2 x White (also available in black) Melamine faced MDF Cabinets (master and slave) *	
Each cabinet consists of:	White LED lighting in each of the three compartments
	3 x soft toys - low voltage, electrically-operated with nylon tethers (supplied fitted)
	3 x sockets for connection of 3.3V/4.5V soft toys
	Removable black tinted Perspex front panel with magnetic fastening
	Grey painted MDF Plinth for stability
* In addition the Master cabinet features:	Switched, fused IEC power inlet socket
	Integrated AC/DC power supply
	Connector for handheld controller
	Connector for cable to slave cabinet
Additional Accessories	
	1 x Connection cable to connect Master cabinet to Slave cabinet (4 metres long)
	1 x Power cable for connecting master cabinet to wall socket
1 x Hand Held Controller (no batteries required)	6 x white push-button switches to operate each compartment independently
	2 x yellow push-button switches to operate all of the master or slave compartments together
	4 metre long cable to connect controller to Master cabinet
General	
Dimensions (each cabinet)	460mm Wide - 460mm Deep - 1380mm High
Weight (per cabinet)	28kg
Light output (per compartment)	1000 lux
Power Rating	240V/5 amp. 58watts (when all compartments illuminated)

Notes

No tools are required to assemble the VRA system and assembly takes less than 30 minutes. Supplied with Instruction Guide for assembly and use.

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