



## Compare VROA systems

VROA or Visually Reinforced Orientation Audiometry can be carried out using a number of different tools. Following is a comparison of items to help you select the best equipment for your needs.

### Puppet Boxes

Puppet boxes are generally accepted as a "friendly" tool. Children comfortably respond to a dancing puppet that can be interchanged with a range of options from a dancing dog to Elmo.

With inbuilt LED lighting and speakers these are a great all in one unit.

Average size is 33cm wide x 83cm tall x 27cm deep.

Housed in a solid casing they are strong, robust and ideal for long term testing.





## Digital VRA Monitors

The Digital VRA system utilizes a pair of digital monitors displaying bright colourful images to get the test subjects attention.

A modern and versatile option, the monitors are available in various sizes and the USB input allows great flexibility for images displayed.

Often a negative for using monitors in VRA testing are the multiple unsightly VGA & HDMI cables. However we have developed a system using a central control unit with only one small cable feeding to the monitors. This results in a tidy system that is easy to use and simple to install.

An infrared system with no cables has been developed and is currently being tested.

## LED Light Boxes

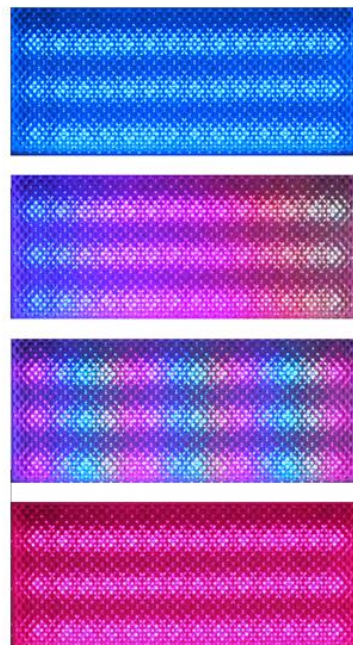
LED light boxes are bright and colourful demanding a quick response from the subject.

With LED technology basically any color range or pattern can be easily achieved including changing, flashing and moving.

Our LED light boxes can be added to an existing speaker system.

Alternatively a complete package including speakers and lights can be selected making these a great flexible option.

Available in various sizes LED light boxes are also a great selection for portable testing or remote locations.





## SPEAKER OPTIONS

Speakers used in VROA testing require a customized speaker and amplifier combination to allow testing at specified levels and frequencies.

To confirm the correct system is selected a number of variants need to be analyzed including the size and shape of the testing room and ambient noise levels. Speaker locations must be correctly selected then the system must be calibrated accordingly.

A range of speaker arrays from two speakers to multiple surround speakers may be utilized depending on the test requirements. Speakers can be stand alone or incorporated into the visual equipment such as LED light boxes or puppet boxes controlled from a single location.

Want to [learn more](#) about Audiometric Equipment or VROA systems? Visit our website [precision-acoustics.com.au](http://precision-acoustics.com.au) or contact [ian@precision-acoustics.com.au](mailto:ian@precision-acoustics.com.au)

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