

# The ERA System for Steady-State Evoked Potential Recording and Analysis

F.W. Rickards, B. Cone-Wesson, J. Parker, J.M. Jelbert, and G.M. Clark

The University of Melbourne, Australia

The ERA System is the first commercially available device designed specifically for the recording and analysis of steady-state evoked potentials. It is the result of basic and applied research carried out at the University of Melbourne over the past 20 years. The basic research that contributed to the development of this product as well as studies of a more applied nature that highlight the clinical utility of SSEP measure will now be reviewed. The automatic detection algorithm employed in the analysis of results will be explained, as well as the linear regressions for threshold estimation. The hardware components and software options of the ERA System will be reviewed. In addition, some of the issues involved in the production and distribution of a commercial device for “evoked response audiometry” in both national (Australian) and international (e.g., U.S.A., E.U., Asia) markets will be discussed.



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**Author/s:**

Rickards, F. W.; Cone-Wesson, B.; Parker, J.; Jelbert, J. M.; Clark, Graeme M.

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