REMA6W – MS WINDOWS SOFTWARE FOR CONTROLLING JR-6 SPINNER MAGNETOMETERS

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The presented MS Windows software provides a full control on the JR-6 series of dual speed spinner magnetometers (JR-6 / JR-6A) manufactured by Agico, Inc., Brno, Czech Republic. The main features include measurement using automatic, semi-automatic, or manual mode in three different acquisition times and two speeds of rotation. Graphical user interface provides a very convenient way for displaying vectors of magnetic remanence in spherical or Cartesian coordinate systems. Acquired data are automatically sorted according to sample names and/or demagnetization steps, thus enabling an instant control on paleomagnetic demagnetization process. Demagnetization plots can be printed, copied into the clipboard or exported into Windows Metafile format. In addition to a fully graphical user interface the main functions can be optionally controlled from keyboard allowing for fast operation during routine measurement of extensive sample sets. Acquired data are stored in simple ASCII text data files allowing for easy viewing, editing, and further processing using Agico Remasoft 3.0, PMGSC Paleomagnetism Data Analysis by R.Enkin et al., or SuperIAPD by T.H.Torsvik et al.

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