Instructions for using the Accudata GVM1 Seismograph

To ensure protection from the elements, the Accudata GVM1 must be used in the Peli-Storm case, with the transducer cable placed in the slot on the right hand side of the case. Keep the case closed when there is a chance of rain.

Plug in the tri-axial geophone sensor block and position the sensor so that it is level and the arrow points towards the vibration source. The ground spike may be used if the sensor needs to be fixed into mud.

The touch screen buttons may be operated by pressing with the forefinger or with the stylus supplied.

Press the On button and wait until the GVM1 touch screen menu appears.
Important: Ensure that the small icon at the top of the display (second from the right) is a blue bar-graph symbol. If it is a red sine wave symbol, press the icon to change to bar-graph mode. Ensure that the sensor block is fixed firmly before pressing start recording.

Press Start Recording to begin monitoring. The display will briefly show a bar-graph symbol and after a geophone test, the monitoring screen will be displayed.

To stop monitoring, press and hold the Stop button on the touch screen for 3 seconds. The data will then be written to the SD card. Note: If recording for less than one minute, no data will be written to the SD card.

Note: To maximize battery life, the display will blank after 2 minutes. Press the Bulb button to restore the display.

To switch off, press Turn Off on the touch screen.

To load the software program, plug memory stick into a computer's USB socket to view the files. Click on the Index Icon that will launch the default web browser and list the options including the user manual. The Vibration program may be installed onto a computer or run directly from the memory stick.

To download the instrument, remove the cover at the bottom of the GVM1, take out the SD card and plug it into the computer.

Note: The Moon icon on the GVM1's touch screen has by default a red cross over it. This is the night mode function used to save battery life and to prevent unnecessary data recording during long term monitoring. When selected, by touching the screen, the red cross disappears and the GVM1 will stop recording at 8PM and start again at 8AM. Pressing the Bulb button when in night mode will show the main menu.

Before monitoring please check that the date and time are correct and ensure that the battery is charged. Battery life is one week with a full charge and using Night Mode.

Note: The SD card is FAT 16 formatted and write protected for use only by the GVM1.

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