

EVR-2 - Seismic Event Recorder Data Sheet

The EVR-2 Seismic event recorder, is compatible and used coincidentally with Seismic exploration equipment. The unit supports TTL and contact closure triggers to microsecond accuracy, allowing the user to accurately capture each impact from the seismic source, when used with an external hammer or Pulse switch. The unit has an easy-to-use user app interface, which the user can access to adjust the line/ station number and enter number of impacts they require for each station, as well as manage and store the data. This smartphone app can be installed on most android devices and connects to the unit via Bluetooth connection.

A portable self-contained unit, the EVR-2 is relatively compact in size with a robust housing with an input signal switch button, power button, charging port, trigger signal port and indicator lights. Embedded within the unit is a re-chargeable LI battery, GPS antenna and module. Once fully charged, the unit can operate for over a full survey day without the need for an external battery or additional cabling other than the external hammer switch which plugs into the side of the unit and attached on to your Seismic Source. The unit has a trigger warning buzzer for each time the impact has been recorded.

The Real-Time recorded data is saved as an OB.Log file which includes the GPS time stamp, this file can then be exported on to your PC/laptop. The data is also backed up on to the internal TF card.



Fig.1. Image of the EVR-2 Seismic Event Recorder unit and on the right is a screenshot of the Android app interface. (Image courteously provided by RT Clark)

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	20 x 15 x 8	1.5

Technical Specifications

Operating Temperature:	-40°C - 70°C
Operating Humidity:	20%-90%, No condensation
Charging Temperature:	+3°C-45°C
Dustproof/Waterproof Level:	IP67
Power Supply Protection:	Yes
Charging Parameter:	5V, 2A
Charging Connector:	Standard Type C Connector
Triggering:	To avoid false triggering the signal must be above 2.5V, trigger interval 3 seconds
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