Instrumentation

Instrumentation to support portable seismology available from IRIS facilities:

**Dataloggers** - This section encompasses the equipment which take in data and stores it on some type of non-volatile media.

**Power Systems** - All the required equipment to keep a seismic station contiously powered throughout it's deployment.

**Sensors** - The equipment that actually detects and quantifies ground motion. The sensor sends this information to the datalogger through a cable.

**Field Procedures** - A trove of documents describing siting, installation, servicing, in-field quality control, and demobilization.

**Controlled Sources** - describing new "Thumper" active source available at PASSCAL.

**Seismic Source Facility, University of Texas at El Paso** - The Seismic Source Facility (SSF) is a technical resource for the management of active-source seismic projects, providing end-to-end seismic source capabilities for Principal Investigators. The facility focuses on four main objectives: seismic source management, training, liability insurance and proposal support.

**Magnetotelluric Systems** - describing Narod Intelligent Magnetotelluric Systems (NIMS) for MT investigations.

**Ground Penetrating Radar** - describing Noggin GPR System with SmartCart configuration.

**Power and Memory Calculations Form** - for estimating power and memory usage for Q330, RT130 and Texan dataloggers.

For Specialized Polar Equipment, go [here](https://www.passcal.nmt.edu/content/instrumentation).

Related categories: [Data Loggers](https://www.passcal.nmt.edu/content/data-loggers)  [Power Systems](https://www.passcal.nmt.edu/content/power-systems)  [Sensors](https://www.passcal.nmt.edu/content/sensors)

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