

GEOPHONE FOOTSTEP DETECTOR PREAMP

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ABSTRACT

Geophone Footstep Detector Preamp is a seismic device that is commonly used on many countries. In Malaysia however, it's not widely known. Reason being that this device's main application is for early earthquake detection. Malaysia not being an earthquake plagued country does not depend on this device as many in other countries would.

Besides that, geophone is not just an earthquake device. Mining & oil rig workers have been using it for years to detect leakage and cracks. Armed forces across the globe have been using it for military purposes. And of course, it can be used as a security instrument at private properties as well.

Here, the geophone will be built based on one single objective, and that is to build it to be a security device that is affordable, effective and reliable, using the theories of electromagnetism.