



## TANDBERG

### TIR 100 - PORTABLE SEISMIC RECORDING SYSTEM

The above equipment case has been developed to monitor and record vibrations, specially from blasts and it is based on the "Tandberg Instrumentation Tape Recorder Series 100".

The prototype of this equipment was designed for the US market where all detonations have to be monitored and recorded for later investigations. The TIR 100 in the carrying case is operating from its own rechargeable battery in connection with the "Tandberg DC/AC Inverter 111". A geophone comprising three accelerometers measuring along two horizontal and one vertical axes is placed on the ground where vibrations are to be monitored. The signals from the three accelerometers are recorded on channels No. 1, 2, and 3 respectively. Channel No. 4 serves two purposes: Comments (voice) may be recorded prior to or after the blast, while during the blast period and analogue signal representing the sound pressure may be recorded from a calibrated microphone.

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