

signed by engineers who actually use them!

V901 Seismograph



Range of Application:

- █ Blast Monitoring
- █ Near -field blast analysis
- █ Pile Driving
- █ Construction activity
- █ Demolition activity
- █ Heavy transportation
- █ Bridge monitoring
- █ Structural analysis
- █ 4 or 8 Channel data
- █ Remote monitoring

- █ Impulse mode for blast monitoring
- █ Continuous mode for piling, rail and road traffic monitoring
- █ Tri-axial geophone sensor - Option for second tri-axial sensor

- Features:**
- █ triggering from 0.1 mm/s
 - █ single range from 0.1 mm/s to 200 mm/s
 - █ auto record length from 2 to 18 seconds (in impulse mode)

- █ Can trigger and record PPV, acceleration or displacement parameters
- █ Air overpressure from 100 to 140 dB Linear Peak
- █ Memory for about 300 events or 30 days continuous recording
- █ Battery operated, uses 2 Alkaline 'D' cells (or external 12 volt supply)
- █ Built in timer function
- █ Instant readout and review of memory event results on LCD
- █ Download to PC with supplied RS232 cable and Windows™ based software
- █ Supplied with Shoulder Bag

- Options:**
- █ Second Tri-Axial Geophone Pack
 - █ Two stage audible and visible alarm
 - █ Solar panel
 - █ Modem
 - █ Portable Printer
 - █ Vibration Dose Value Transducer

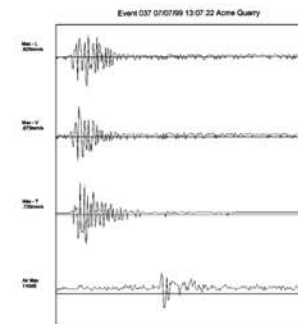


General specifications of V901 seismograph

V901

- Power Source:** Two Alkaline 'D' cells (or external 12 volt supply)
- Battery Life:** Up to 20 days continuous monitoring
- Dimensions:** 300mm x 250mm x 130mm
- Weight:** 3.6Kg (with one tri-axial transducer pack)
- Temperature:** -10°C to + 50°C

Example Print Outs



Event	Time	Mag	Dist
037	13:07:22	2.5	1.5



Event	Time	Mag	Dist
003	07:00:10	2.5	1.5



Event	Time	Mag	Dist
005	23:00:00	2.5	1.5

Technical specifications of V901 seismograph

- Number of channels** 4 (optional 7)
- A/D conversion** 1millisecond each channel
- A/D resolution** 10 bit to 13mm/S then 10 bit to 200mm/S
- Resolution** 0.012mm/S to 13mm/S then 0.2mm/S
- Transducer** 3 component geophone pack
- Natural Frequency** 4Hz
- Length of extension cable** up to 1000metres
- Airblast microphone** Omnidirectional from 1Hz to 300Hz
- Seismograph power** 2 number D cells (Alkaline battery)
- External power** 12V DC
- Memory** Non volatile
- Memory size** about 300 short trigger events or 30 days
- Communications protocol** Continuous or any combination of these
- Measurement parameters** 8 bit no parity 9600 baud
- EMC compliance** Peak particle velocity (mm/S)
- Communications port** EN 61010, EN50 081, EN 50, 082
- Acceleration** RS232
- Displacement** (g)
- Air Overpressure** (mm)
- Instrument protection** (dB)
- Transducer protection** IP65
- Conformity** IP67
- Environmental** CE
- Environmental** IEC 68-2



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