Importadora Gyb Limitada
Padre orellana 1476
Santiago CL13101 Chile



Sismografo SUMMIT X One

Código: GD-SUMXONE

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Detalle

SUMMIT X One

seismograph is the lightweight, flexible seismic data acquisition system for active seismic and continuous recording. It is very flexible to configuration changes. The use of small modules connected to a lightweight telemetry cable allows operation at different geophone positions. The new technology of "snapping" modules on the cable permits to find the best solution for high-resolution 2D and 3D seismic surveys in any area with an arbitrary distance between geophones in the range from one to several meters.

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allows fast and reliable data transfer for quality control, as well as the technology of continuous data transfer during passive measurements.

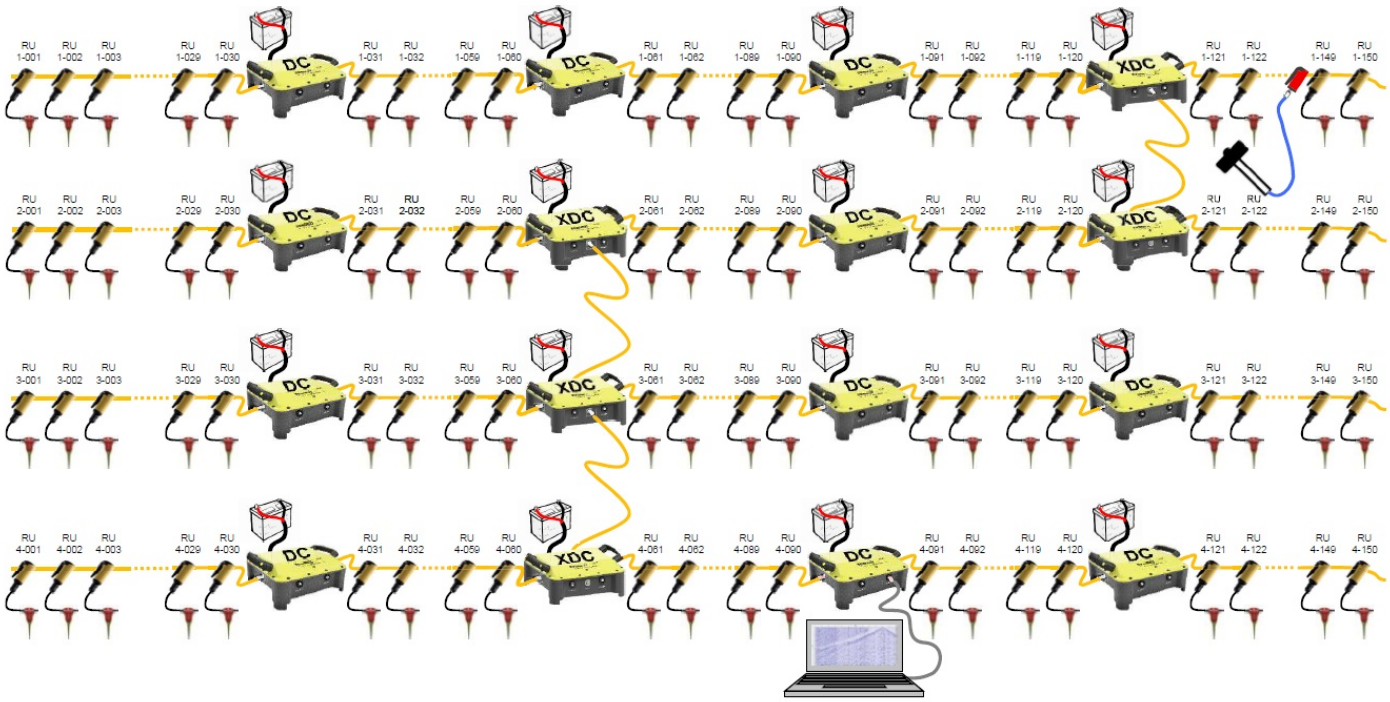
SUMMIT X One

The Trigger Unit (TU) offers a very flexible alternative way to send trigger signal to the seismograph. Instead of connecting long trigger cables to the nearest receiver unit, the TU can travel with the source and connect anywhere along the line using the same "snap" technology as the receiver units of this popular seismograph.

Minimum configuration

- 1 channel digitizing unit (RU)
- 1 geophone
- 1 digital data cable
- 1 data collector (DC)
- Power supply
- PC with acquisition software
- Seismic source with a trigger

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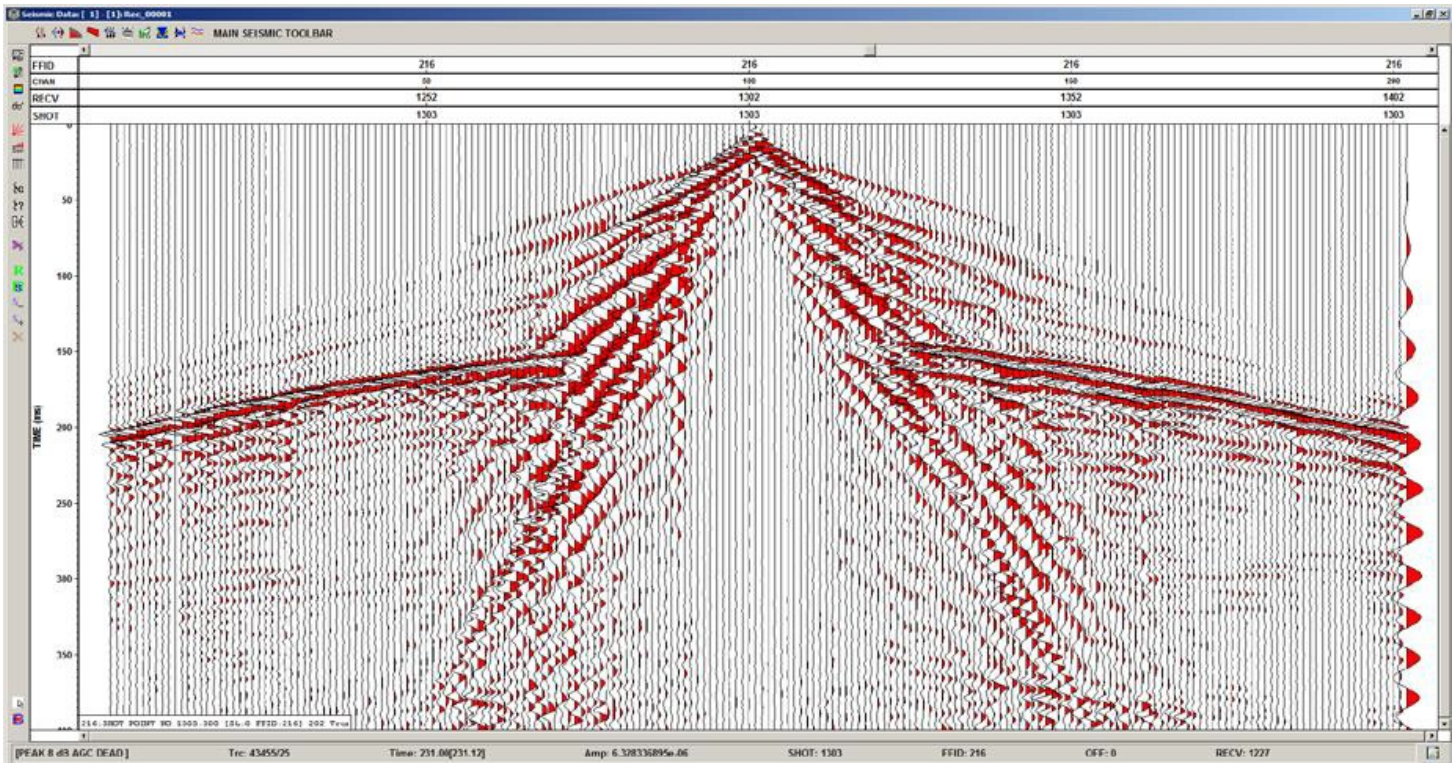


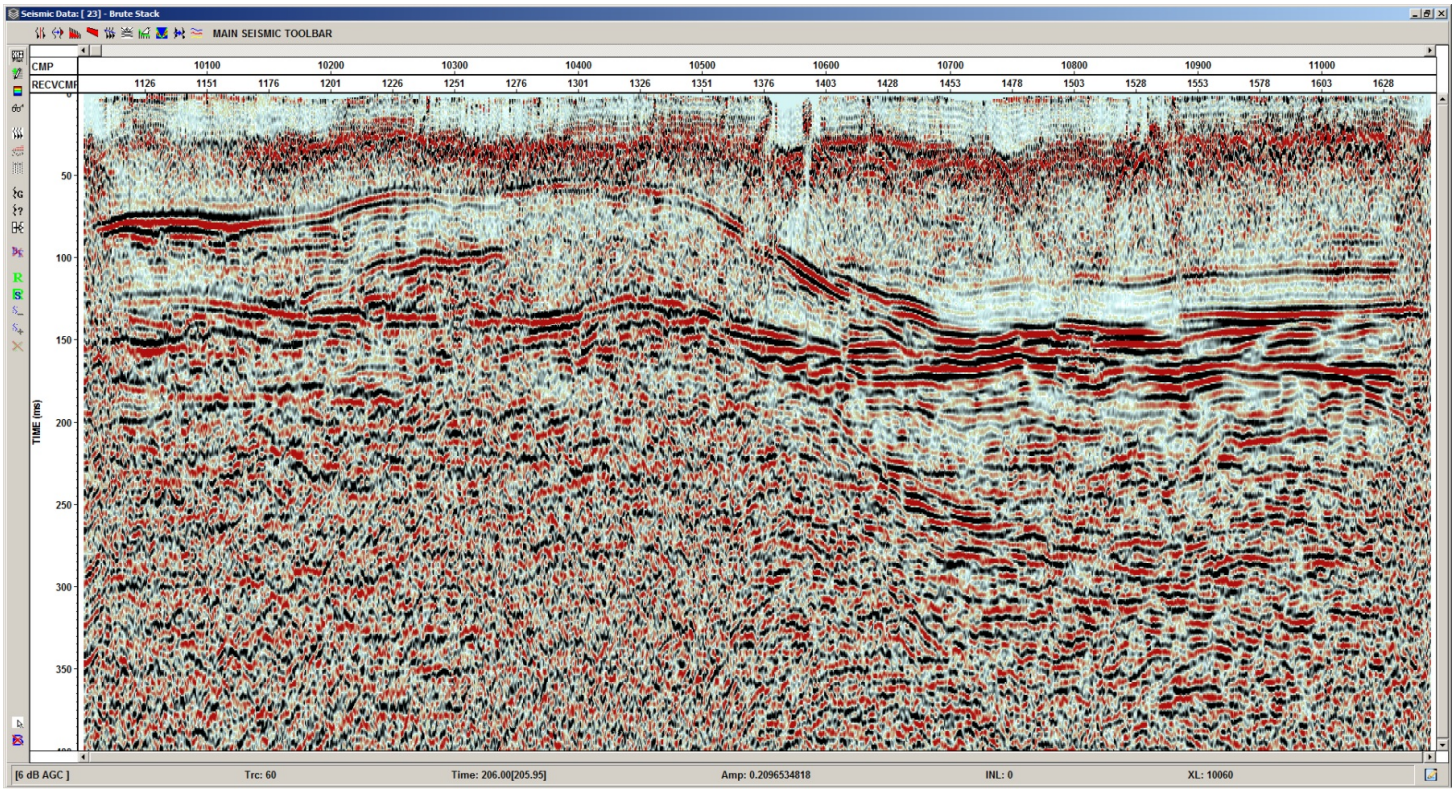
Maximum 330 m data cable length with up to 50 RUs. Maximum of 2 segments per DC. PC can connect to any DC in acquisition system. XDC – a cross unit for 3D configuration.

Seismic applications

- Reflection seismic
- Refraction seismic
- High resolution seismic
- MASW
- Shear wave seismic
- REMI

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seismograph is compatible to all seismic sources (sledge hammer, explosives, accelerated weight drop, vibrator) and all geophone types (1C, 3C, with natural frequencies 4,5 Hz, 10 Hz, 14 Hz, 28 Hz, 100 Hz, land geophone, borehole geophone, hydrophone)

Features

- Lightweight 2 wire cable with self-sealing coating
- 32 bit ADC
- Built in self-test functions, Real-time line check
- Only one battery per segment
- SNAP technology = Flexibility
- Automatic allocation of remote units
- Reduction of survey time and costs

Especificaciones técnicas

Especificación	**[GD - SUMXONE] Sismografo SUMMIT X One GD-SUMXONE**
Sample Interval	1 / 16; 1 / 8; 1 / 4; 1 / 2; 1; 2; 4; 8 ms
Record Length	Up to 120 K samples in active shot mode or continuous passive recording
Preamp Gain	0 dB; 20 dB or 40 dB
ADC	32 Bit
Input Signal range	± 5 Volt 10 V peak to peak
Input Impedance	20 kOhm
Dynamic Range	≥ 132 dB @ 2 ms sampling interval
Equivalent Input Noise	< 0.2 µV RMS @ 2 ms sampling interval and 40 dB preamp gain
Total Harmonic Distortion	≤ 110 dB
Common Mode Rejection	≥ 100 dB
Gain Accuracy	Typical 1 % (between all channels)
Passband	DC (0 Hz) to 0.8 x Nyquist
Digital Anti-Alias Filter	3 dB @ 0.8 x Nyquist
Rejection at Nyquist Frequencies	120 dB
Passband Ripple	+ / - 0.05 dB
Analogue Anti-Alias Filter	7.2 kHz 6 dB / octave
Power Supply	External 12 V or 24 V batteries Connected to Data Collector Units
Dimensions	RU : 16 x 7 x 4 cm DC : 30 x 30 x 13 cm
Weight	RU : 175 g DC : 5; 3 kg
Operation Temperature	25°C to + 60°C
Humidity Range	0 – 95 %
Operating System	Windows 7 / 10
Communication	Ethernet LAN
Processor	Minimum i5 or equivalent ≥ 2 GHz
RAM	8 GB or more

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Galería de imágenes

Mostrando hasta 6 imágenes de la galería.



Imagen de galería 1



Imagen de galería 2



Imagen de galería 3



Imagen de galería 4



Imagen de galería 5

Imagen de galería 6

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