

SUMMIT X Stream Pro

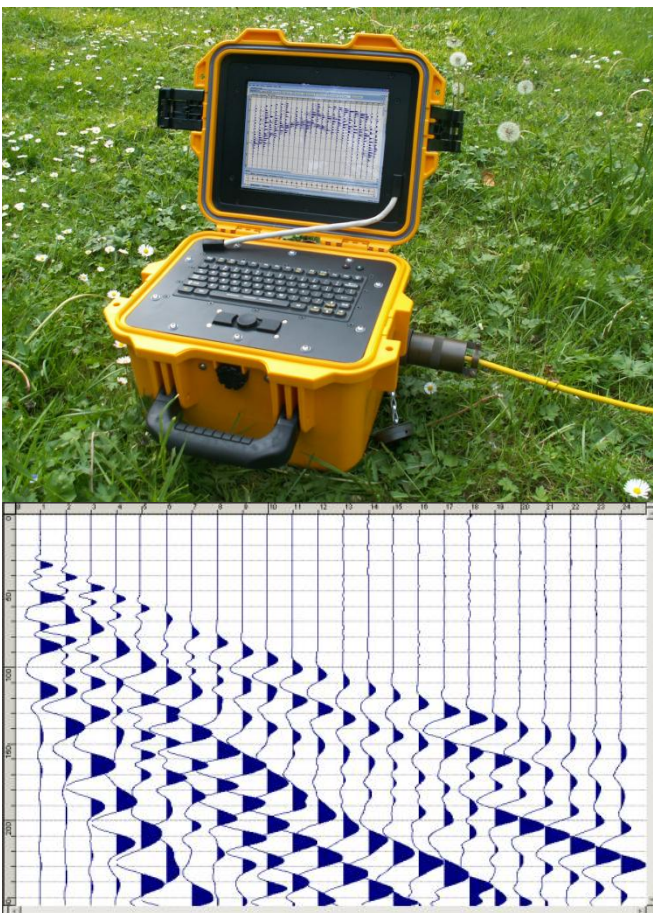
The 'Professional Highly Integrated Seismic System'!

The SUMMIT X Stream Pro is the best value quality all in one seismograph for engineering application. The rugged 24 channel unit with embedded mobile computer and integrated high resolution screen can be used in any environment for high speed production. The seismograph is designed as stand alone system without the need of additional equipment.

The SUMMIT X Stream Pro is ideal for any engineering surveys in almost any environment.

Specialised for Engineering surveys!

- Best value all in one seismograph
- Highest productivity
- For specialist applications such as LVL, MASW and engineering surveys
- Extremely rugged, lightweight casing
- Supreme service via rapid reaction support hotline



Technical Specifications

| | |
|-----------------------------|---|
| Sample Interval | 1/48, 1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 8 ms |
| Record Length | Up to 120,000 samples (single shot) |
| Preamp Gain | 0 dB, 20 dB or 40 dB |
| A/D Converter | 24 bit delta sigma technology |
| Maximum Input Signal | 2.0 Volt RMS 5.6 Volt peak to peak |
| Input Impedance | 20 kOhm |
| Instantaneous Dynamic Range | ≥ 120 dB @ 2 ms sampling interval |
| Equivalent Input Noise | Less than 0.2 µV RMS @ 2 ms sampling interval and 40 dB preamp gain |
| Crosstalk Rejection | ≥ 112 dB (between channels) |
| Total Harmonic Distortion | ≤ 0.0008 % |
| Common Mode Rejection | ≥ 100 dB |
| Gain Accuracy | Typical 1 % (between all channels) |
| Power Supply | + 9 - 18 VDC |
| Dimensions | 30 x 24.9.0 x 19.6 cm |
| Weight | 5.9 kg |

| | |
|----------------------------------|--|
| Digital Anti-Alias Filter | - 3 dB @ 0.8 x Nyquist |
| Rejection at Nyquist Frequencies | -120 dB |
| Passband Ripple | +/- 0.05 dB |
| Built-In Test Functions | - Sine wave - Pulse - Instrument noise - Geophone step |
| System Check | - Battery status - Equivalent input noise - Total harmonic distortion - Instantaneous dynamic range - Common mode rejection - Cross talk - Time accuracy |
| Geophone Check | - Impedance - Damping - Natural frequency - Noise |
| Auxiliary Channels | Channels can be programmed as AUX or DATA |

Subject to technical changes

Environmental Specifications

| | |
|----------------|--|
| Humidity Range | 0 – 95 % |
| Case | Solid waterproof housing deployable in any surface environment |

Overall System Performance and Flexibility

Typical Shot Cycling Time

- selected recording length +1 second

Mobile System Control

- Operating System: Windows XP

Connectors

- 55 pin signal input connector
- 12 V DC Power-In (4-Pin)
- Trigger-Slope / Trigger Pulse In (BNC)
- USB 2.0

DMT GmbH & Co. KG
Exploration & Geosurvey

Am Technologiepark 1
45307 Essen, Germany

Phone +49 201-172-1970
Fax +49 201-172-1971
info.summit@dmr.de
www.summit-system.de

Member of TÜV NORD Group

