

24ch Portable Engineering Seismograph

McSEIS-SX



<Abstract>

McSEIS-SX is a portable and cost effective 24 channel seismograph for refraction exploration, downhole PS logging and crosshole seismic for engineering and construction.

This is also used as a data acquisition system for multi-channel surface wave analysis.

The system is compact, light in weight to transport and do the job with a smaller 12VDC battery anywhere.

It's based on the Windows XP SP2 professional with XGA/TFT color display, Hard disk drive, USB2.0 ports with higher quality and reliable field performance.

<features>

- Selectable dual operation menu: conventional refraction seismic exploration and downhole PS logging
- Very Compact, light in weight and low power consumption
- Real time noise monitoring for trigger and real time digital filter
- 24 bit dynamic range with high speed sampling rate: 33.3 μ s fastest
- Enough frequency response for Surface Wave Analysis with 4.5Hz geophones
- Easy data download to USB memory stick

<Specifications>

● Data Acquisition

Number of Channels : 1, 3, 6, 12 or 24 + 1 AUX
 Input Impedance : Differential 20K Ω /0.005 μ F
 Preamp Gain : 12, 30, 48dB
 Frequency Response : 2-4600Hz
 A/D Resolution : 24 bits
 Sampling Interval : 33.3, 50, 100, 200, 500, 1000,
 2000, 4000 μ sec
 Pre-Trigger : 0, 128 samples
 Data Length : 1K, 2K, 4K, 8K, 16K, 32K/ch
 Trigger Input : Hammer Switch (Contact
 Closure), Geophone
 Data Storage : SEG1(OYO SEG1) and SEG2

● System

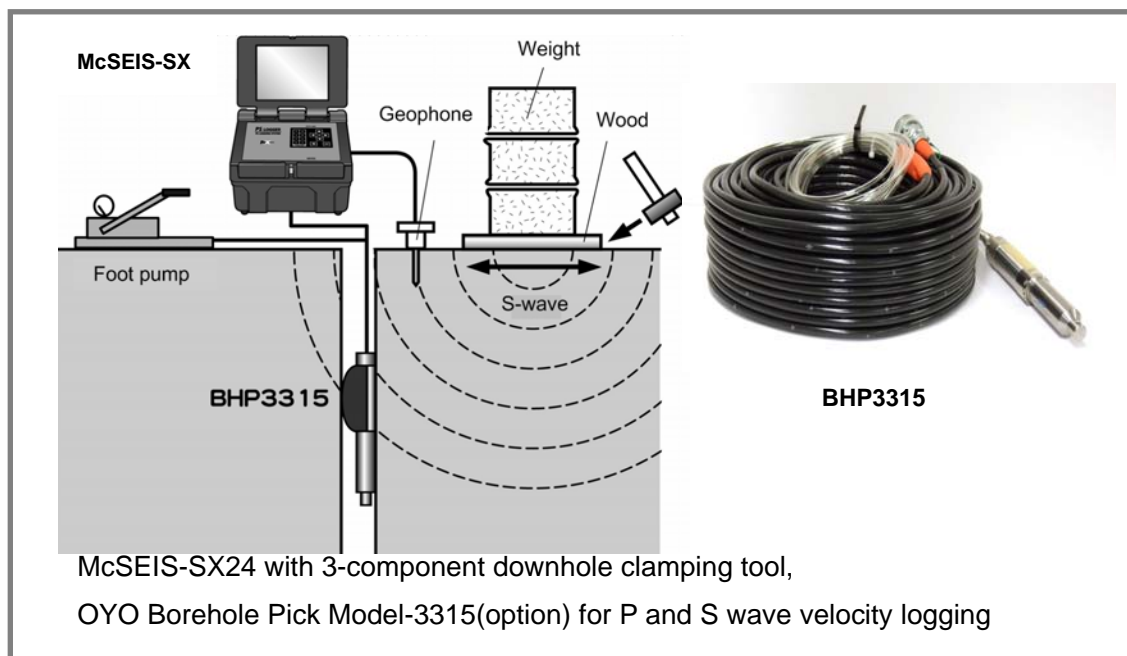
CPU : ULV Intel Celeron Processor
 Display : 10.4", XGA/TFT color LCD
 Hard Disk : 80GB
 Interface : USB2.0 port x 3
 External keyboard port
 Power Requirement : 12VDC (10.5 to 13.5VDC)
 2.5A (standby), 3.0A (max)
 Operating Temperature : 0 - 45°C
 Physical
 Dimensions : 330(W)x280(D)x220(H) mm
 Weight : 8kg

● Others

Real Time Noise Monitor
 Digital Low-Pass Filter
 Notch Filter (post acquisition)
 Channel Switching
 Data Stacking
 AGC (TVG)
 Data acquisition menu for PS logging

● Option

Printer
 Seismic Starter
 Geophone 28Hz, 4.5Hz
 Seismic Takeout Cable
 Data Processing Software: SeisImager/2D
 Borehole Pick Model-3315



OYO
 oyo corporation



JQA-2772

Please note specifications are subject to change without notice for the improvement.

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■ Your representative

