

8-channel Portable Engineering Seismograph

McSEIS-PS

For 3-component downhole clamping tool



<Abstract>

McSEIS-PS is a portable and cost effective 8channel seismic acquisition system that can be controlled with a standard notebook PC to acquired P and S wave velocity with 3C downhole clamping tool, and for evaluation of shallow underground layered structure for engineering purpose.

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

<Features>

- Data acquisition of three(3) components (Hx, Hy, Vz) by SeisImager/DH software or conventional 8ch seismic data.
- Easy operation with the external laptop PC.
- Very compact, light in weight and low power consumption
- Real time noise monitoring for trigger and real time digital filter.
- Watertight, crushproof and dustproof.

<Specifications>

● Data Acquisition

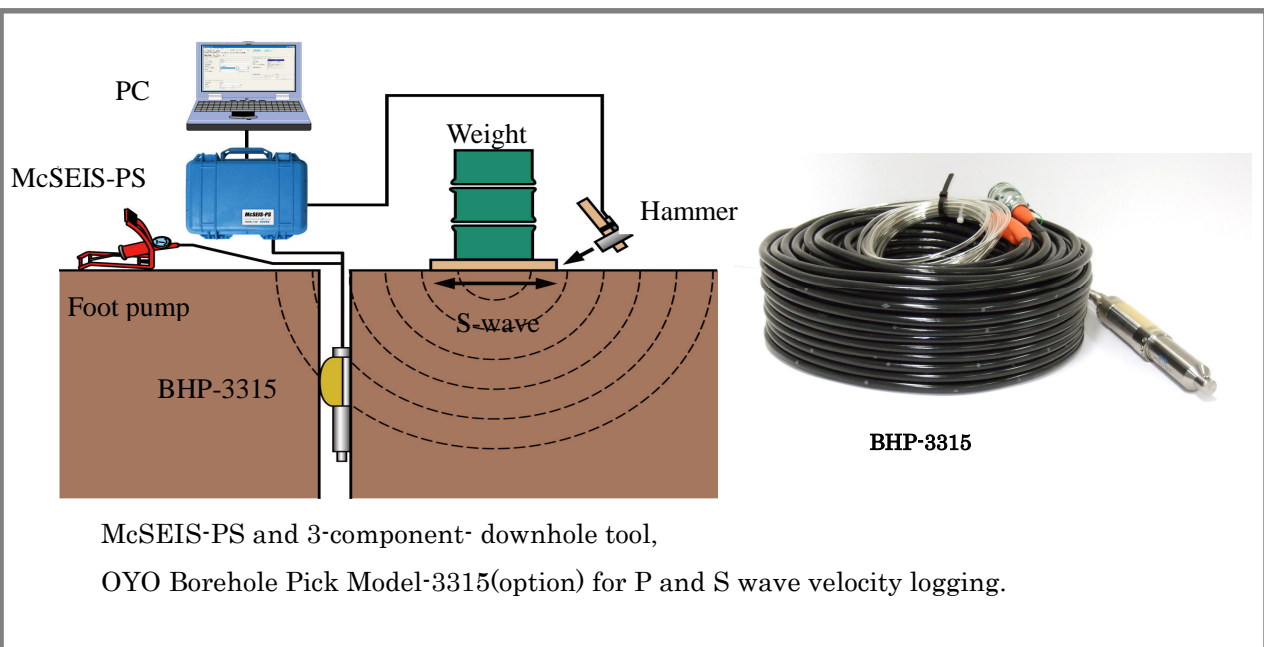
Number of channels : 8
 Number of input : 3ch input (Hx, Hy, Vz)
 by OYO BHP
 or max. 8ch input by standard
 seismic take-out cable
 AUX channel : Defined by control software
 Input Impedance : 20KOhm, 0.02 μ F
 Preamp Gain : 24dB or 36dB selectable
 Bandwidth : 1.75Hz to 8KHz
 A/D Resolution : 24 bits
 Sampling Interval : 0.0625, 0.125, 0.25, 0.5, 1.0,
 2.0msec
 Record Length : 4,096sample
 Pre-Trigger : Up to full record length
 Trigger Delay : 0 to 9,999msec (1 msec step)
 Trigger Input : Hammer switch (contact,
 closure), geophone
 Data Format : SEG2 standard
 Control/Data Storage : external notebook PC
 with SeisImager/DH software
 Data Transmission : Ethernet data transmission
 via CAT5 copper wire cable
 Power Requirement : 12VDC external battery
 Operating Temperature : -30 to 70°C
 Dimensions : 254(W)x305(D)x177(H) mm
 Weight : 3.6kg

● Others

Anti-alias Filters
 Low Cut Filter
 Notch Filter
 High Cut Filter
 Line testing

● Option

Geophone 28Hz vertical
 Seismic take-out cable with 7.5m spacing
 Hammer switch extension cable 100m
 Borehole pick model-3315 w/100m cable



OYO
 oyo corporation



JQA-2772

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

● Instruments & Solutions Division
 43 Miyukigaoka, Tsukuba, Ibaraki, 305-0841 Japan
 Phone: +81-(0)298-51-5078, Fax: +81-(0)298-51-7290
 e-mail: seihin@oyo.jp

● Head Office
 7 Kanda-Mitoshiro-cho, Chiyoda-Ku, Tokyo 101-8486, JAPAN
 Phone: +81-3-5577-4501, Fax: +81-3-5577-4567

■ Your representative



www.PTBI.ir