

## 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 Seismager/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

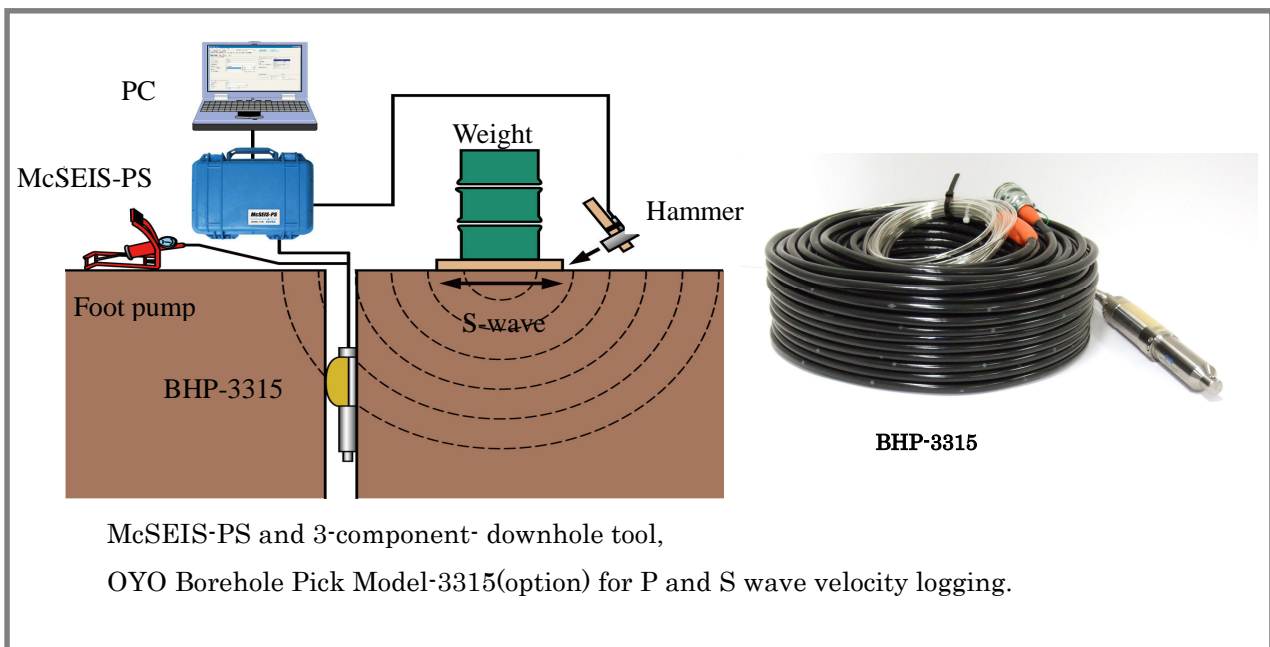
Number of channels	: 8
Number of input	: 3ch input (Hx, Hy, Vz) by OYO BHP or max. 8ch input by standard seismic take-out cable
AUX channel	: Defined by control software
Input Impedance	: 20KOhm, 0.02 $\mu$ F
Preamp Gain	: 24dB or 36dB selectable
Bandwidth	: 1.75Hz to 8KHz
A/D Resolution	: 24 bits
Sampling 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



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

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