

## 8 ch Seismograph for PS Logging

# McSEIS-PS

For 3-Component PS Logging



### <Abstract>

McSEIS-PS is a portable and cost effective 8-channel seismic acquisition system that can be controlled with a standard notebook PC to acquired P and S wave velocity with 3C PS Logging, 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.

### <Feature>

- Data acquisition of three (3) components (Hx, Hy, and Vz) by SeisImager/DH software or conventional 8-ch 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.

## <Specification>

### ■ Data Acquisition

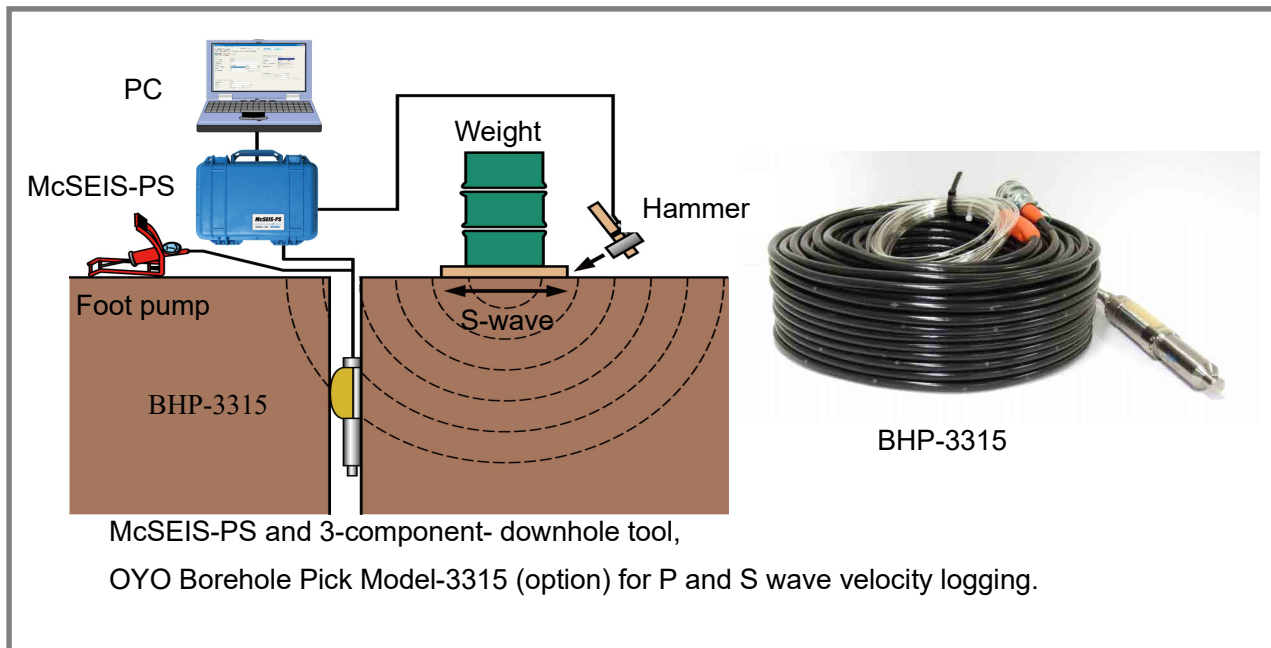
Number of channels : 8  
Number of input : 3 ch Input (Hx, Hy, Vz)  
by OYO Borehole Pick  
or max. 8 ch Input by Standard  
Seismic Take-out Cable  
AUX Channel : Defined by Control Software  
Input Impedance : 20 KOhm, 0.02  $\mu$ F  
Preamp Gain : 24 dB or 36 dB Selectable  
Bandwidth : 1.75 Hz to 8 KHz  
A/D Resolution : 24 bit  
Sampling Rate : 0.0625, 0.125, 0.25, 0.5, 1.0,  
and 2.0 msec  
Record Length : 4,096 sample  
Pre-trigger : Up to Full Record Length  
Trigger Delay : 0 to 9,999 msec (1 msec Step)  
Trigger Input : Hammer Switch  
(Contact, Closure), and  
Geophone  
Data Format : SEG2 Standard  
Control/Data Storage : External Notebook PC  
with SeisImager/DH Software  
Data Format : SEG2 Standard  
Data Transmission : Ethernet Data Transmission  
via CAT5 Copper Wire Cable  
Power : 12 VDC External Battery  
Operating Temperature : -30 to +70°C  
Dimensions : 254 (W) x 177 (H) x 305 (D) mm  
Weight : 3.6 kg

### ■ Others

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

### ■ Option

- Geophone 28 Hz Vertical
- Seismic Take-Out Cable with 7.5 m  
Spacing
- Hammer Switch Extension Cable 100 m
- Borehole Pick Model-3315  
w/100 m Cable



**OYO**  
oyo corporation



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

● Instruments & Solutions Division  
43 Miyukigaoka, Tsukuba, Ibaraki, 305-0841 Japan  
Phone: +81-298-51-5078, Fax: +81-298-51-7290  
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

