

## 8ch Portable Engineering Seismograph

# McSEIS-PS

and 3-component downhole clamping tool



### <Abstract>

McSEIS-PS is a portable downhole PS logging for engineering and construction.

The small unit is developed to use downhole PS logging system "BHP Model-3315" easily.

This is also used as a data acquisition system for seismic data logger.

The system is 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).
- Available to use as PS logging data logger as well as to use conventional seismic data logger.
- Easy operation with laptop PC.
- Very compact, light in weight and low power consumption
- Real time noise monitoring for trigger and real time digital filter.

## <Specifications>

### ● Data Acquisition for PS logging

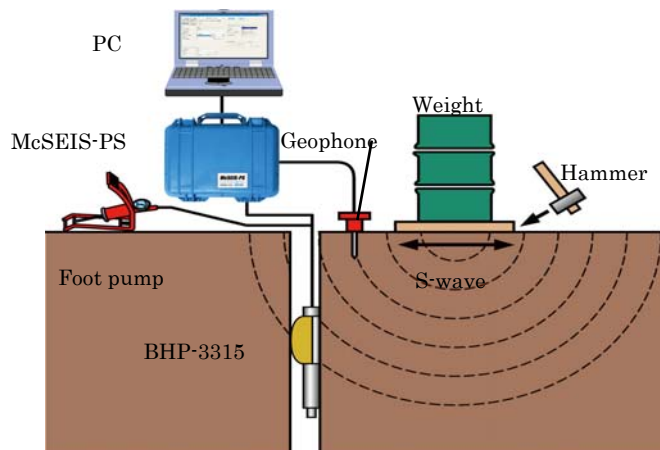
Number of Channels : 8  
Acquisition : Max 3ch per 1 shot  
(Hx, Hy, Vz)  
Input Impedance : 20KOhm, 0.02  $\mu$  F  
Preamp Gain : 24dB or 36dB selectable  
Bandwidth : 1.75Hz to 8KHz  
A/D Resolution : 24 bits  
Sampling Interval : 0.0625, 0.125, 0.25, 0.5, 1.0,  
2.0msec  
Record Length : 16, 384sample  
Pre-Trigger : Up to full record length  
Trigger Delay : 0 to 9,999msec (1 msec step)  
Trigger Input : Positive, negative,  
contact closure,  
software adjustable threshold  
Data Format : SEG2  
Data Storage : Internal hard drive of  
laptop PC  
Data Transmission : Ethernet data transmission  
over CAT5 copper wire  
Interface : USB2.0 port x 3  
External keyboard port  
Power Requirement : 12VDC external battery  
Operating Temperature : -30 to 70°C  
Dimensions : 254(W)x305(D)x177(H) mm

### ● Others

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

### ● Option

Geophone 28Hz  
Seismic Takeout Cable  
Data Processing Software: SeisImager/DH  
Borehole Pick Model-3315



**BHP-3315**

McSEIS-PS and 3-comp. downhole tool,  
OYO Borehole Pick Model-3315(option) for P and S wave velocity logging.