

3C Geophone 4.5Hz

The 3C Geophone 4.5Hz(P/N:ST-4.5N-3C) is an ideal instrument to perform HVSR, MASW and Vibration Analysis. 3 units of 4.5Hz geophone sensors are properly coupled and embedded in the reinforced 3C geophone case and delivered with standard soil spikes with length 75mm.

The 3C Geophone 4.5Hz could be supplied with split spring clips, Mueller clips, Kooter connectors, KCK connectors or NK27 Connectors for suiting with different seismograph and data acquisition system respectively.

• APPLICATIONS

- HVSR
- Surface Waves.
- Vibration Monitoring and Analysis.

• CONNECTORS

- Split Spring Clips.
- Mueller Clips.
- Kooter Connectors.
- KCK Connectors.
- NK27 Connector.

• CABLE

- Durable geophone cables with main cable 7.8mm OD and split cable 4.6mm OD.
- Standard main cable length 1m or 10m with customized cable length available as per client's requests.
- Standard split cable length 0.5m or 1m with customized cable length available as per client's requests.



Technical Specifications for Geophone Sensor:

P/N	ST-4.5N
Natural frequency (Hz)	4.5±10%
Damping	0.6±5%
Coil resistance (ohms)	375±5%
Open circuit sensitivity (V/m/s)	28.8±5%
Harmonic distortion (%)	≤0.2
Typical spurious Frequency (Hz)	≥160
Moving Mass (g)	11.3
Max.coil excursion p-p (mm)	4
Element Diameter (mm)	25.4
Element Height (mm)	36
Element Weight (g)	86
Operating Temperature(°C)	-40°C to + 55°C