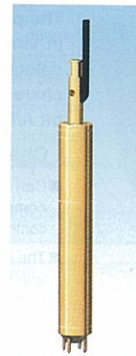


A wide selection of equipment is available, including ground-based and underground detectors. Use these detectors in combination with SMAC, AJE, or other series products.



Specifications (Ground-based detector)		
Order No.	831-123-02	831-134-02
Model	JEP-4A3	JEP-8A3
Measurement range	±3000 Gal (±2100 Gal vertical movement)	±3000 Gal (±2100 Gal vertical movement)
Sensitivity	3 V/9.8 m/s <sup>2</sup> ±3%	3 V/9.8 m/s <sup>2</sup> ±3%
Frequency range	DC to 400 Hz	DC to 400 Hz
Operation temperature	-40 to +60°C	-40 to +60°C
Dimension	192W×192D×150Hmm	165W×175D×108Hmm
Mass	Approx. 5 kg	Approx. 1.5 kg

Decide the cable length in advance.



Specifications (Underground detector)	
Order No.	831-157-02
Model	JEP-4B3
Measurement range	±3000Gal (±2100 Gal vertical movement)
Sensitivity	3 V/9.8 m/s <sup>2</sup> ±3%
Frequency range	DC to 400 Hz
Operation temperature	-40 to +60°C
Withstand water pressure	30 atmospheres
Dimensions	ø90×540 mm
Mass	Approx. 15 kg

Cable length to be specified in advance.

### JEP-4A3

This is a stationary detector that uses built-in force-balance type servo acceleration sensors. A vertical and two horizontal components are built into its drip-proof case. The case even withstands temporary flooding (immersion in water 3 m deep at maximum).

### JEP-4B3

This is a high-pressure underground detector, with one vertical and two horizontal sensor units built into its waterproof case. This detector can be used in water up to 300 m in depth. If to be used in water deeper than 300 m, the waterproof case can just be replaced with a higher pressure version.



### JEP-6A3

A portable seismometer requiring no power supply

The JEP-6A3 is a portable seismometer that requires no power supply. Its battery-free sensor is an overdamped acceleration sensor and is housed in a drip-proof case. This is the best seismometer for earthquake observation in places where only limited power supply can be obtained, or for temporary permanent earthquake observation in places where no power supply is available.

#### Characteristics

- Requires no power and is housed in a drip-proof case. Can be used in the various severe environments in which earthquake observation is often involved.
- Earthquake motions monitored will be output as an acceleration waveform with three components (two horizontal and one vertical).
- Compact, lightweight, and easy to install. Suitable for temporary or other earthquake observation in which it is necessary to move sequentially to another observation point.
- The combined use of this product and a data logger GPL-01 will allow establishment of a seismic wave observation system.
- The product lineup includes a built-in amplifier type, which is best suited for accurate detection of minor earthquake motions.

Specifications (Ground-based detector)				
Order No.	831-129	831-131	831-130	831-132
Model	JEP-6A3			
Detector				
Type	Overdamped type accelerometer			
Direction of earthquake detection	X, Y, Z (Three orthogonal components)			
Sensitivity	1.1 V/9.8 m/s <sup>2</sup> ±10%	2.2 V/9.8 m/s <sup>2</sup> ±10%	1.1 V/9.8 m/s <sup>2</sup> ±10%	2.2 V/9.8 m/s <sup>2</sup> ±10%
Frequency characteristics	See figure on the left. (0.07 to 100 Hz)			
Measurement range	See figure on the left.			
Maximum displacement in movable section	2mm p-p			
Natural frequency	3±0.5Hz			
Linearity	0.1%			
Sensitivity variation with temperature	Approx. 0.4%			
Output resistance	Approx. 2.5kΩ			
Test coil resistance	Approx. 500Ω			
Amplifier				
Gain	—		200 ±3%	
Frequency characteristics	—		See figure on the left. (DC to 500Hz)	
Phase	—		Within 10° (50 Hz)	
Noise (During input short-circuit)	—		0.2 μV or less	
Temperature drift	—		±1 μV/°C or less	
General	—			
Operating temperature	-20 to 50°C		(-20) to 50°C	
Water resistance	Drip-proof construction			
Dimensions (WxDxH)	165×175×108mm			
Mass	Approx. 2 kg			

#### Frequency characteristics of JEP-6A3

