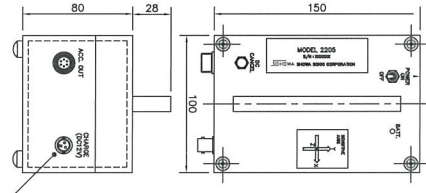


## Triaxial micro vibration detector MODEL-2205B

- Measures triaxial micro vibrations with high precision, with a built-in triaxial servo-type detector.
- Measurement mode can be switched to acceleration, velocity, and displacement.
- Ideal for measurement of microtremors in structures, and for floor vibration measurement in semiconductor factories.



*Triaxial vibrometer for measurement of low-frequency micro vibration*



Charger connector  
(Also serves to charge the internal battery)

### Usage examples



**Installation floor vibration measurement for precision machining tools**  
Floor vibration measurement in precision machining factories where small vibrations can affect equipment.



**Bridge vibration measurement**  
Bridge vibration measurement to analyze bridge vibration characteristics.



**Seismic resistance of school buildings**  
The seismic resistance strength of school buildings can be studied using microtremor measurement data for each floor.



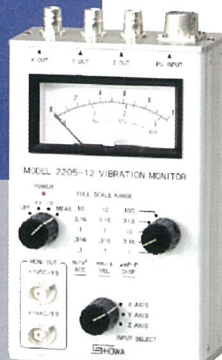
**Survey of ruins**  
Microtremor measurement to analyze the vibration characteristics of ruins and other structures.

### Specifications

Detector	Triaxial servo-type accelerometer, resolution: Not exceeding 1 $\mu$ G
Output sensitivity	Acceleration: 5V/10m/s <sup>2</sup> Velocity: 5V/10mm/s Displacement: 5V/100 $\mu$ m
Output terminals	RO1 type 6 pin connector
Frequency range	DC acceleration: DC-100Hz ( $\pm$ 10%) AC acceleration: 0.5-100Hz ( $\pm$ 10%) Velocity: 1-100Hz ( $\pm$ 10%) Displacement: 1-100Hz ( $\pm$ 10%)
Low-pass filter	200Hz
Accuracy	$\pm$ 3% (16Hz, 5m/s <sup>2</sup> , room temperature)
Noise	DC acceleration: Up to 0.001m/s <sup>2</sup> AC acceleration/ velocity/ displacement: Up to 2 $\mu$ G (When using internal battery)
Shock resistance	1,000m/s <sup>2</sup> .5ms
DC cancel function	Simultaneously cancel all three axes to zero with the DC cancel button.
Temperature range	-10 ~ 60°C
Power supply	Rechargeable sealed lead battery, usable for at least 5 hours continuously.
Battery alarm	Green LED goes out when battery level is low.
Dimensions and weight	See the external diagram, approx. 2kg
Options	MODEL-2205-80 Charger MODEL-2205-81 AC Adapter MODEL-2205-91 Output Cable (RO1 at body end, BNCx3 at output end)

## Vibration monitor unit MODEL-2205-12

- This monitor unit is used in combination with our MODEL-2205B.
- It has an amplification function to enable measurement with even higher sensitivity.
- Vibration values can be checked with the analog meter.



*A handy monitor unit that's convenient for combinations*

### Specifications

Compatible detectors	MODEL-2205B
Full scale range	Acceleration: 0.1/0.316/1/3.16/10 m/s <sup>2</sup> (Peak) Velocity: 0.1/0.316/1/3.16/10mm/s (Peak) Displacement: 1/3.16/10/31.6/100 $\mu$ m (P-P)
Output terminals	BNC
Power supply	6F22(9V) cells x2, at least 40 hours continuous operation with alkaline type
Dimensions and weight	96(W) x 155(H) x 48(D)mm, approx. 700g
Standard configuration	MODEL-2205-12 Monitor unit CA6811-1.5 Monitor cable