

# Seismometer G250-PFO

KNOWING THE ACCURATE TREMOR WE FEEL.



Processor G250-PFO



Sensor G250-S

## Outline

Knowing the accurate tremor is necessary to help governments, private sectors, and businesses around the world implement proper risk and disaster management.

The G250 can calculate and display several seismic intensity scales. The more accurate the seismic intensity at a specific location, the better the disaster prevention would be.

The G250 is used in various applications including national and local government observation sites, broadcasting stations, factories, etc.

## Features

### ● MEASURE ACCURATE SEISMIC INTENSITY UNDER JMA STANDARD

The G250 calculates “seismic intensity” from acceleration and tremor cycle, and displays the calculated seismic intensity on the processor LCD screen. Data and information are transmitted simultaneously over IP communication and through other networks.

### ● LOW POWER CONSUMPTION

Energy-saving and low power consumption.

## Specifications

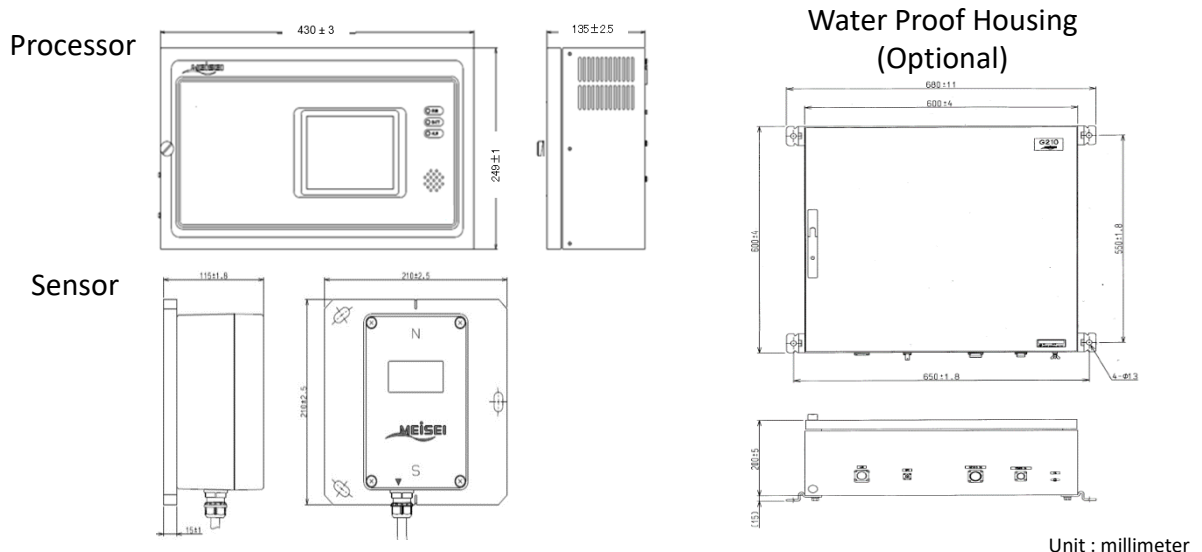
Sensor G250-S

Type	Force balance servo
Measurement Range	0~±3,000gal (option: ±4,000gal)
Resolution	24bit
Sampling Frequency	100Hz
Output	RS422 serial output (38.4kbps)
Protection/Class	IPx7
Size/Weight	L210 x W210 x H115 (mm) / 4kg
Operational Temperature	-20~50°C

## Processor G250-PFO

Intensity Data	Skala Intensitas Gempabumi (SIG) BMKG Intensity Scale , Modified Mercalli Intensity Scale (MMI), PHIVOLCS Earthquake Intensity Scale (PEIS)
Transmission Method	Japan Meteorological Agency Standard (TCP)
Calculation Data	Seismic intensity calculation method settable per client Max acceleration, max velocity for each symmetric triaxial Peak acceleration cycle for each symmetric triaxial Spectral Intensity (SI) scale, Dominant frequency during each 10 seconds including max acceleration Earthquake detecting time
Waveform transmission Method	SeedLink protocol (TCP)
Waveform format	MiniSEED
Screen Display	5.6 inch color LCD (with touch panel)
Intensity Information Display	Switchable SIG, MMI, PEIS
Storage Capacity	32GB
Communication Interface	10BASE-T/100BASE-TX × 2 (Ethernet)
Contact Output	2 contacts, less than DC30V / 1A
Time Accuracy	within $\pm 0.001$ sec (with GPS time calibration)
Test Function	Simulation test for sensor and processor
Power Supply	AC 100 ~ 240V
Size/Weight	Approx. L430 × W249 × H135 (mm) / about 7kg
Operational Temperature	-10~40°C
Protection/Class	IPx7 (applicable only when using waterproof housing)

## Overview



### CAUTION

- For proper and safe use, please read the "Operation Manual" before use.
- The specifications and appearance are subject to change without notice. Please be guided.
- The products in this catalog are standard, but can be customized according to customer specifications. Contact us for more details.
- The Company shall not be liable for any claim made by a third party for damages or financial losses arising from the use of the product.
- The color of the product photo on the catalog may differ from the actual product due to printing.

## Meisei Electric Co., Ltd.

Sales Headquarters, Global Sales Dept.  
PMO Ichigaya 3rd Floor, 2-19 Rokubancho, Chiyoda-ku,  
Tokyo 102-0085, Japan  
Tel: +81-3-6698-7261