

SEISMOMETER G210DM

Force balance servo accelerometer



Processor



Sensor

Outline

It is very important to know the accurate tremor we feel, for the proper disaster management of local governments and businesses around the world.

G210DM can calculate and indicate BMKG earthquake intensity scale. Once accurate seismic intensity at a specific local site is indicated, more appropriate disaster management will be realized.

G210DM is used in local government observation stations, broadcasting companies, factories, etc.

FEATURES

- **ACCURATE SEISMIC INTENSITY UNDER JMA STANDARD**

G210DM calculates “seismic intensity” from acceleration and cycle of tremor and indicates the calculated seismic intensity on the processor LCD screen. It transmits data and information simultaneously through IP communication or other network.

- **LOW POWER CONSUMPTION**

Low power consumption is realized.

Specifications

Sensor

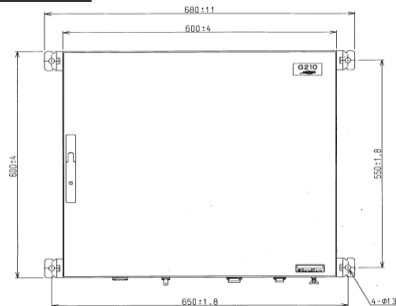
Type	Force balance servo
Measurement range	0 ~ ±3,000gal (option: ±4,000gal)
Resolution	24bit
Sampling frequency	100Hz
Output	RS422 serial output (38.4kbps)
Dust/Water proof	IP65
size/weight	Approx. φ200 × 129mm ± 2.5mm / 2.9kg
Operational environment	-10 ~ 50°C

Specifications

Processor

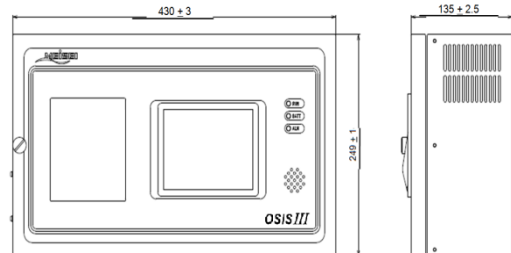
Intensity data	BMKG Intensity Scale (SIG) and Modified Mercalli Intensity Scale (MMI)
transmission method	Japan Meteorological Agency Standard
Data	Seismic intensity scale(BMKG earthquake intensity scale)calculate with calculation method of intensity scale defined by BMKG Max acceleration ,max velocity 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
Display type	5.7inch color LCD (with touch panel)
Display Intensity information	Switchable MMI (Modified Mercalli Intensity) , SIG (Skala Intensitas Gempabumi) OR Both
Data Store device	CF card 16GB
Communicating Interface	10BASE-T/100BASE-TX × 2, RS232C × 1 (host) RS232C × 1 (keep sending), RS422 × 2(keep sending)
Number of contact output	4 contacts, less than DC30V / 1A
Time accuracy	within ±0.001sec (with GPS time calibration)
Test function	Simulation test for sensor and processor
Power source	AC220V ± 10%, DC12V ± 10%
Size/Weight	Approx. W430 × H249 × D135 / 6.0kg (without internal battery) Approx. W600 × H600 × D200 / 35.9kg (with extra housing)
Operational temperature	-10~50°C, 90%RH or less (Non-condensing)
Dust / Water proof	IP65 (applicable only when using waterproof housing)

Over view

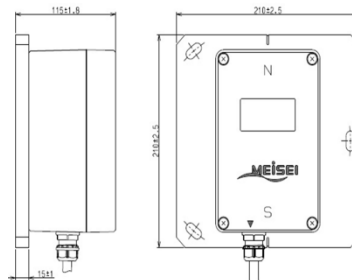


Water Proof Housing
(Optional)

Processor



Sensor



Unit : millimeter

CAUTION

- To use the product correctly and safely, please read the "Manual" before use.
- The specifications and appearance are subject to change without prior notice. Please take note.
- The products in the catalog are standard products. We customize according to customer's specification. Please contact us for details.
- The Company shall not be liable in any claims made by third parties for damages or monetary damages resulting 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.

www.meisei.co.jp/english
Sales & Marketing Dept.

1-1, Toyosu 3-chome, Koto-ku, Tokyo 135-8115 JAPAN
TEL: +81-3-6204-8254 FAX: +81-3-6204-8888

IHI GROUP
Realize your dreams