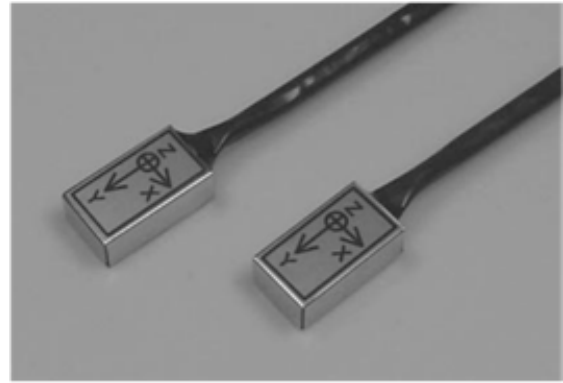


## Capacitive Type 3-Axis Accelerometer

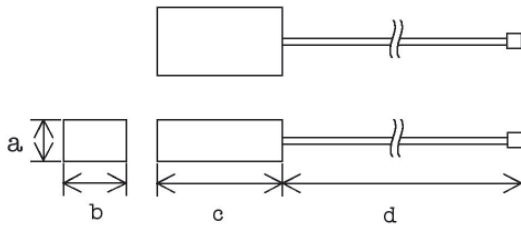
### Features

- Leading edge of high sensitivity sensor.
- MEMS technology product small and high precision
- Cable output type-usable at various situations.



### Dimension

Unit/mm



a	b	c	d
4.6 ± 0.1	7.5 ± 0.1	13.5 ± .1	1000 ± 5

### Specifications

Item	Specifications	
	TGM2WLA0	TGM6WLH050
Detect Axis	3 Axis (X, Y, Z)	3 Axis (X, Y, Z)
Detect Range	± 2G	± 6G
Sensitivity	1V/	300mV/G
Zero Point Voltage	2.5V	2.5V
Frequency Feature	DC ~ 80Hz (Z Axis DC ~ 20Hz)	DC ~ 300Hz (Z Axis DC ~ 180Hz)
Sensitivity Vs Other Axis	Less than 5%	Less than 5%
Power Voltage	5V	5V
Power Consumption	6mA	6mA
Operating Temperature	- 20°C ~ + 85°C	-20°C ~ + 70°C
Stocked Temperature	- 30°C ~ + 85°C	- 30°C ~ + 85°C
Shock Resistance	Over 1000G	Over 1000G

### Applications

- Vibration measurement and analysis for the construction and composition material as well as the precision equipment.
- Shock measurement and analysis for the moving objects
- Posture control of the robot

☼ Optional unit (AD connector, USB driver, System soft) enables to evaluate the measurement easily by simply connecting to p.c