

TOPICS THIS MONTHS

1. New Upgrades

- ◆High Frequency Tachometer for EV motors : CT-6710
- ◆High-Sensitivity & Low Noise Tri-axial Accelerometer : NP-7320N10

2. Starting a series of new columns:

Useful basics for various measurement and analysis

[-Find More- CT-6710](#)

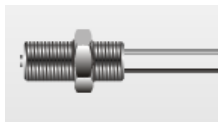
Assisting the xEV development

Motor & Engine Tachometer



A measurement instrument compatible with gasoline engine, diesel engine, and EV motors with our wide lineups of detectors. This time ultra compact rotation detector is covered the combination of CT-6710 tachometer for high speed rotation as EV motor.

✓ Ultra compact rotation detector MP-992



Size: Length 13mm / Dia. 8mm

The most compact r/m detector for high frequency measurement.
Temperature limit ~120°C (~248°F)

✓ Current model for EV motor rotation OM-1200



Size: Length 54mm / Dia.24mm

General type for EV motor rotation and easy to be installed.
It has to be directly attached perpendicular to the target motor.

[-Find More- NP-7320N10](#)



Test the environment state stringent vibrations standard required such as semiconductor manufacturing equipment.

High-Sensitivity & Low Noise Tri-axial Accelerometer

The NP-7320N10 is a tri-axial accelerometer with a built-in preamplifier. Excellent for measuring low frequency vibrations such as ground vibrations and floor vibrations during machine operation.

Setting-up with our portable FFT analyzer, you can measure and record the result with VC curves and tripartite graphs (archived 20μm/s² VC-E level) consequently displayed, allowing checking them on-site.

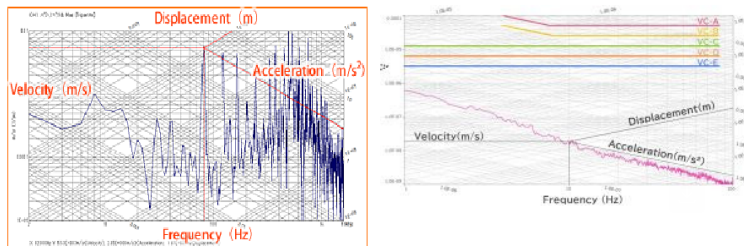
■ What is VC Curve and Tripartite Graph?

Tripartite Graph enables you to read amplitude values of acceleration (m/s²) and displacement (m) which is based on velocity (m/s), on the frequency (Hz) axis

The VC (Vibration Criterion Curves) are proposed as a guidelines for allowable micro vibrations when installing precision equipment such as optical microscopes, and semiconductor manufacturing equipment.

Tripartite Graph

VC Curve
with Tripartite graph



Introduction to Measurement

"Why We Measure Sound and Vibration?"

This is an introduction to an our measurement article column. Ono Sokki has compiled a list of articles for those who are just starting to use sound measurement. As an introduction, this time I would like to explain why we should start measuring sound and vibration in the first place.

In order to study reduction method and/or changes in sound quality for surrounding sounds and vibrations, it is of course necessary to understand the phenomena of sound and vibration. In this situation, FFT analyzer comes in. Why is analysis actually necessary? The following page explains it as clearly as possible.

Why we measure Sound and Vibration?

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