

NTN Portable Vibroscope



Condition monitoring of assets is essential to ensuring the reliability of equipment and maintaining an efficient production facility. The NTN Portable Vibroscope makes monitoring of vibration fast and easy to detect machine issues before they cause unnecessary downtime. The portable vibration sensor is an excellent tool that can be used to precisely diagnose equipment problems through FFT analysis and also for the periodic monitoring and trending of machine vibration data. The NTN Portable Vibroscope is a cost-effective vibration monitoring solution that is excellent for both customers that are new to vibration analysis or experienced users looking to supplement their existing program.

Technical Characteristics

- **Part Number:** DAT-HV0002
- **Compatible Devices:** Apple iPhone, iPad
- **Operating System:** iOS 12.0 or higher
- **Wireless Protocol:** IEEE 802.11b/g, Wi-Fi Compliant
- **Wireless Range:** 33 ft (10 m)
- **Measurement Capabilities:** FFT, Time Waveform, Overall Vibration
- **Sampling Frequency:** 2.56 kHz, 12.8 kHz, 25.6 kHz
- **Frequency Bandwidth:**
 - Acceleration: 10 – 10,000 Hz
 - Velocity: 10 – 1,000 Hz
 - Displacement: 10 – 150 Hz
- **Ingress Protection:** IP65
- **Power Supply:** Rechargeable AAA Batteries (x2)
- **Dimensions:** 1.6 x 1.4 x 3.4 in (41 x 36 x 87 mm)
- **Weight:** 5.1 oz (145 g)
- **Temperature Range:** 41 to 121°F (5 to 50°C)

Accessories Included

- Mounting Magnet (M6x1 stud)
- USB Charging Cable
- Rechargeable AAA Batteries (x2)

Features & Benefits

- Compact, lightweight design with integrated sensor, power supply and wireless capability for convenient handheld use
- Supplied with strong magnetic base for easy and reliable mounting during route-based monitoring or troubleshooting of machinery
- Connects directly to iOS device via free, easy-to-use iOS application for fast, on-site analysis
- Analyzes time waveform, FFT spectrum and overall machine vibration data to quickly and easily identify bearing faults and other machine abnormalities
- Save and trend vibration measurement history to assess the health of the equipment over time
- Bearing data for thousands of NTN part numbers are preregistered into the app for easy setup

Download the "NTN Portable Vibroscope" app from the App Store



Please contact your local
NTN Sales Representative
for more details.

www.ntnamericas.com

Beyond Bearings

Training. Installation Support.
Trouble-shooting. And more.

When you choose NTN, your team is equipped with all the necessary tools and resources to get the job done right. From installation to problem-solving, we'll be there with the hands-on support you need to take on your toughest challenges. This includes extra services such as:



Technical Training Unit

On-site, mobile training unit offering specialized, hands-on instruction from NTN engineers



Product Training School

Three days of in-depth instruction from NTN engineers at NTN headquarters (go.ntnamericas.com/trainingschool)



eKnowledge

WEB-BASED TRAINING PROGRAM

Six online product training modules covering different bearing types and nomenclature (www.ntnamericas.com/eknowledge)



NTN Bearing Finder

Customizable search tool featuring exhaustive data sets, comprehensive part interchanges and interactive CAD drawings (bearingfinder.ntnamericas.com)



Ready to get rolling? Contact us today for full details at
1-800-323-2358 or eng@ntnamerica.com.

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