



# UNLOCK MOBILITY, EMBRACE PRECISION YOUR ULTIMATE DATA COLLECTOR

## INTRODUCTION

At BETAVIB, we offer a user-friendly interface and unparalleled data collection capabilities for route-based vibration instruments. Our technology ensures seamless integration and swift capture of critical vibration data, from overall measurements to precise narrow band spectrums.

With BETAVIB, you can trust that every detail is captured, empowering informed decisions and driving operational excellence.



## FEATURES



### LONG TWF TECHNOLOGY

1st Collector on the Market based 100% on TWF



### EMBEDDED CAMERA

Capture asset photos directly to DB and generate reports.



### HIGHER ACCURACY

Real-time waveform, customizable velocity and acceleration spectrum.



### CHANNELS

4 channels of simultaneous sampling.

## SOFTWARE

Windows® 11 Pro  
Panasonic Utilities and Recovery Partition  
Enterprise ready driver packages including  
CDB files one-click bundles

## PHYSICAL DIMENSIONS

**Dimensions**  
10.8" (L) X 10.6" (W) X2.3" (H)  
**Weight**  
2.5 lbs/(1.1 kg)  
**Operating Temperature**  
20°F to 140 °F (based on MIL-STD-810G)  
**Weight**  
MIL-STD-810G and Ip65 certified 6 foot drop chassis with shock-mounted  
flex connect hard drive fanless, sealed design reinforced locking port covers

## DISPLAY

10.1" WUXGA 1920×1200  
Capacitive gloved multi touch + digitizer  
Anti-reflective(AR)screen treatment  
Intel UHD Graphics  
Direct bonding  
Supports up to 5 monitors  
2-1000 NIT  
Concealed Mode; Day/Night Mode

## STORAGE & MEMORY

Factory installed 16GB or 32GB RAM (DDR4) <sup>3</sup>  
512GB, 1TB or 2TB Quick-release14 OPAL NVMe SSD with heater <sup>3</sup>

## BATTERY AND CHARGING

Li-Ion battery  
18.5 hours– 10.8V, 6600mAh typical (6300mAh min)  
Optional bridge battery  
1 minute hot swap time  
Channels  
4 Channels, Simultaneous sampling software handled Accel. or Volt  
Battery charging time  
3 hours  
AC Adapter  
AC 100V-240V 50/60Hz, Auto Sensing/Switching worldwide power supply

## CPU

Intel® Core™ i5-1245U i5-1245U vPro® processor  
1.7GHz with Turbo Boost up to 4.4GHz, 12MB cache

## CAMERAS

1080p webcam w/privacy cover &dual array mic  
Infrared with Windows Hello support  
8MP rear camera with autofocus with LED flash  
Optional thermal camera (FLIR Lepton 3.5)4

## AUDIO

Integrated dual array microphone  
Integrated 88db speakers (front-facing)  
Intel®High Definition  
On-screen and button volume and mute controls

## COMMUNICATION

Wireless  
Intel®centrino® Advanced-(N 6205 802.11a/b/g/n Bluetooth®class 1)  
Optional integrated 4G LTE mobile broadband Optional integrated 3G  
Gobi TM mobile broadband, Optional GPS receiver

## INPUT SIGNAL

Range  
± 10V Standard  
IEPE  
Software Selectable On/Off,0mA or 4.1mA  
Channels  
4 Channels, Simultaneous sampling software handled Accel. or Volt  
Accelerometer input  
100g / (with a 100mV/g sensor)  
Dynamic Signals  
4 channels

## CERTIFICATIONS & DURABILITY

MIL-STD-810H2  
Solid state drive heater  
MIL-STD-461G  
Quick-release storage drive  
IP65  
Removable battery  
Optional ANSI  
Optional rotating hand strap hazardous location C1D2(class 1 div 2)  
Reinforced locking port covers groups ABCD  
Magnesium alloy chassis encased with ABS  
Raised corner guards for LCD impact protection and elastomer edges  
Built-in dual purpose handle & kickstand  
Replaceable screen protector (on optional keyboard)

## FREQUENCY ANALYSIS

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### A/D converter

24 Bits

### Sampling Frequency

51.2 Khz and 102.4 Khz where applicable-

### Frequency Units

Hz, CPM

### Dynamic Range

-103 dB

### Number of averages

Up to 10240

### Resolution

200 lines to 208 400 lines

### Fault Frequencies

Overlay fault frequencies cursors on spectra

### Kinematics

Smart definition of transmissions, bearing frequencies, pulley belt

### Customized Freq Event

Function of Rotational Speeds

### Variable Speed

OneClick Kinematics Update of all frequencies for variable speed equipment

### Cursors Spectrum

Unlimited harmonics and side bands cursors, Magnet cursors

### High Pass Frequency

User defined from DC to 100Hz

### Scaling

Linear/Logarithmic

### Window Functions

14 embedded window Types

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## DATA ACQUISITION

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### Data Visualization

Real-Time Velocity Spectrum, Acceleration Spectrum, Overall Levels (5), and Time Waveform

### Alarm Levels

Real-Time Color-Coded Alarm Levels

### Audio Feature

Bluetooth Real-Time Audio from Accelerometers

### Recording Method

Long Time recorder

### Measurement Type

Single Axis and Triaxial route measurement

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