

The Tekneka VB335 is a high-performance portable vibration analyzer designed for vibration measurement, spectrum analysis, and machinery condition monitoring. Engineered for precision and reliability, it helps identify imbalance, misalignment, and bearing faults early through advanced high-frequency acceleration envelope analysis. Its compact, handheld design, intuitive interface, and rechargeable battery make it an ideal device for maintenance engineers, plant technicians, and predictive maintenance professionals across industries like manufacturing, oil & gas, utilities, and heavy machinery.

### Features and Specifications

- Measurement Parameters: Displacement, Velocity, Acceleration, and Envelope
- Displacement Range (Peak-Peak Value): 0 to 2 mm
- Displacement Resolution: 1 micron
- Displacement Frequency Range: 10 to 500 Hz
- Velocity Range (RMS Value): 0 to 200 mm/s
- Velocity Resolution: 0.1 mm/s
- Velocity Frequency Range: 10 to 1000 Hz
- Acceleration Range (Peak Value): 0 to 180 m/s<sup>2</sup>
- Acceleration Resolution: 0.1 m/s<sup>2</sup>
- Acceleration Frequency Range: 10 to 5000 Hz
- Envelope Range: 0 to 20 units
- Envelope Resolution: 0.1 unit
- Envelope Frequency Range: 5 Hz to 2 kHz
- Demodulation Range: 15 kHz to 40 kHz

#### Accuracy:

- Frequency Response:  $\pm 5\% \pm 2$  digits
- Non-Linearity:  $\pm 5\% \pm 2$  digits
- Noise Level (no vibration input): ACC: < 0.25 m/s<sup>2</sup> | VEL: < 0.5 mm/s | DISP: < 3  $\mu$ m

#### General:

- Display: LCD showing Parameters, date, time, and battery status
- Power Supply: Rechargeable battery
- Operating Time: Up to 12 hours
- Auto Power-Off: Enabled for battery saving
- Operating Temperature Range: 0 to 50°C (32 to 122°F)
- Pickup: Accelerometer with extension stinger and magnetic mount
- Dimension: 196 x 101 x 45mm
- Weight: 230g (including battery)



### Applications

The Tekneka VB335 Vibration Analyzer is ideal for predictive maintenance and condition monitoring of rotating machinery such as motors, pumps, compressors, and fans. It helps identify imbalance, misalignment, bearing wear, and mechanical looseness before failures occur. Widely used in industrial plants, manufacturing facilities, and maintenance workshops, it ensures equipment reliability, reduces downtime, and improves overall operational efficiency.

### Ordering Info

VB335..... Vibration Analyzer