TECOM Smart Vibration Gauge Solution consists of three parts: the integrated gauge, the smart IoT Gateway (Internet of Things), and the smart phone APPs.

The VB-200 series Vibration Gauge integrates a 3-axis sensor and a signal transducer. It detects vibration speed and acceleration in X/Y/Z axis, converts into RMS and FFT values. The outputs of the VB-200 are in RS-485 format, they are also time-domain and frequency-domain selectable.

The VB-200 is available in screw-down (VB-200SC), stick-on (VB-200ST) and suction-type (VB-200MS) versions, those are easy to install.

The gauge is connected to the IoT Gateway via RS-485. With mobile IoT Protocols the Gateway makes virtual connections between the gauge and remote smart mobile devices. Working together with smart phone, it can replace high accuracy frequency analyzer.

The Smart Vibration Gauge Solution provides many advanced features. Vibration monitoring and diagnosis can be done remotely, interactively and in real time. This fits the Mobile Maintenance (MM), a strong trend in repair operations.

Functions
◆ Vibration velocity and acceleration measures
◆ Vibration Data Time-Frequency Selectable
◆ IoT always connect and push notifications
◆ Remote monitor, real-time data and trending data
◆ Remote Alarms
◆ Real-time, interactive Diagnosis (Market Leading)

Product Images

VB200-SC (Screw-Down) Vibration Gauge  
VB200-ST (Stick-on) Vibration Gauge  
VB200-MS (Suction-type) Vibration Gauge  
AG-300 IoT Gateway
Sensitivity Change v.s. Temperature : +/- 0.026% °C
Nonlinearity : +/- 0.5%
Cross-Axis Sensitivity : +/- 2%
Full-Scale Range : +/- 16g
Frequency Response : DC-1130Hz
Specified Temperature Range : -40 to +85 °C

Measurement Displays on Smart Phones
- X axis RMS speed or acceleration
- Y axis RMS speed or acceleration
- Z axis RMS speed or acceleration
- FFT speed or acceleration