



VIB[®]05+

Portable vibration meter

MORE FLEXIBLE
MORE ACCURATE

Vibration total level

Infrared temperature

High precision

Intelligent alarm



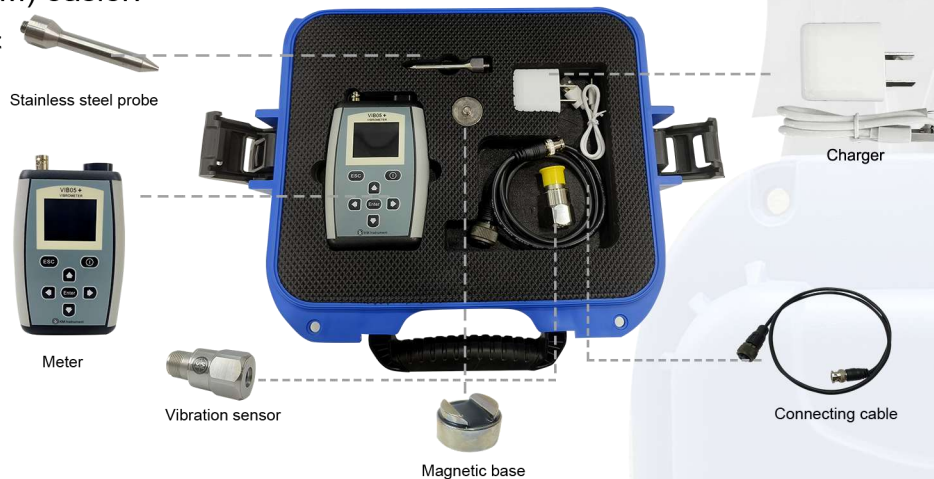
KM Instrument

Originate from KM

How to accurately and effectively judge the operating status of machine and bearings is very important for machine maintenance personnel. Excellent predictive maintenance will help reduce unplanned machine downtime and greatly reduce overall maintenance costs.

VIB05+ is a very advanced mechanical troubleshooting tool that also has vibration measurement, infrared temperature measurement and intelligent alarm functions. Superior ergonomic design, easy operation, built-in ISO10816-3 international vibration standard, and high-resolution color display, intelligent real-time indication of machine alarm status, making condition monitoring (CBM) easier.

VIB05+ Complete Kit



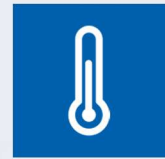
Machine Health Monitoring and Diagnosis

VIB05+ Portable vibration meter

Integrating three major functions



Vibration



Temperature



Intelligent Alarm

VIB05+ main functions

Machine Vibration Total Level

Velocity in mm/s RMS; Acceleration in g RMS;

Displacement in μm Peak-Peak;

Bg - Hi Frequency Acceleration in g RMS.

Infrared Temperature

Non-contact Infrared Sensor, Target and Environment in $^{\circ}\text{C}$ or $^{\circ}\text{F}$, Red Laser Pointer.

Intelligent Alarm

Vibration Evaluation: According to ISO10816-3, and with high-resolution color display, it can intelligently indicate the alarm status of the machine in real time.



VIB 05+ technical specifications

| | | |
|-----------------------|--|---|
| Display | TFT color display, 128x160 pixels | |
| Sensor | Accelerometer | |
| Sensitivity | 100mV/g | |
| Vibration | Measurement Range | Velocity: 0-200mm/s RMS |
| | | Displacement: 0-2000 μm Peak-Peak |
| | | Acceleration: 0-20 g Peak |
| | | BG: 0-20g Peak |
| | Frequency Range | velocity、displacement、acceleration (10-1,000Hz) |
| | | Bg - Hi Frequency Acceleration (1,000-12,000Hz) |
| Accuracy | +/-5% | |
| Alarm Indication | Built-in ISO 10816-3 equipment vibration level standard (intelligent colour indication) | |
| Temperature | -20 $^{\circ}\text{C}$ to 120 $^{\circ}\text{C}$ or -5 $^{\circ}\text{F}$ to +250 $^{\circ}\text{F}$ | |
| Accuracy | $\pm 2^{\circ}\text{C}$; Resolution: 1 $^{\circ}\text{C}$; | |
| Power & Charger | Lithium rechargeable battery, 3.7V 1600 mAh, Recharge time 3 hours ; | |
| | Operating time >30 hours continuous | |
| Operation temperature | -10 $^{\circ}\text{C}$ -50 $^{\circ}\text{C}$ | |
| Dimensions | 115 x 75 x 25mm (LxWxT) | |
| Weight | 230g (including sensor) | |