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VIB[®] 05 + Portable vibration meter

MORE FLEXIBLE
MORE ACCURATE

Vibration total level

Infrared temperature

High precision

Intelligent alarm

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KM Instrument

Originate from KM

How to accurately and effectively judge the operating status of equipment and bearings is very important for equipment maintenance personnel. Excellent predictive maintenance will help reduce unplanned equipment 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 level standard, and high-resolution color display, intelligent real-time indication of equipment alarm status, making condition monitoring (CBM) easier.

VIB05+ Complete Kit



Equipment Health Monitoring and Diagnosis



VIB05+ Portable vibration meter 3 most-wanted measurement



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 equipment 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
Frequency Range	BG: 0-20g Peak
	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)