



# VIB<sup>®</sup> 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



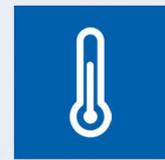
## Machine Health Monitoring and Diagnosis



## 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 um Peak-Peak;  
 Bg - Hi Frequency Acceleration in g RMS.

## Infrared Temperature

Non-contact Infrared Sensor, Target and Environment in °C or °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.



Vibration sensor connector

Laser pointer

Infrared temperature measurement built-in sensor

# VIB 05+ technical specifications

Display	TFT color display, 128x160 pixels	
Sensor	Accelerometer	
Sensitivity	100mV/g	
Vibration	Measurement Range	Velocity: 0-200mm/s RMS
		Displacement: 0-2000µm Peak-Peak
		Acceleration: 0-20 g Peak
		BG: 0-20g Peak
Frequency Range	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 °C to 120°C or -5°F to +250°F	
Accuracy	±2°C; Resolution: 1°C;	
Power & Charger	Lithium rechargeable battery, 3.7V 1600 mAh, Recharge time 3 hours ;	
	Operating time >30 hours continuous	
Operation temperature	-10°C-50°C	
Dimensions	115 x 75 x 25mm (LxWxT)	
Weight	230g (including sensor)	



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