

# iVibra-100

## Pen Type Portable Vibration Tester



### Contact us

**Mikrosize Precision Instrument Co.,Ltd**

A-4035 RuiFeng Business Expo, Wuhu City, China , 241000.

Web: [www.mikrosize.com](http://www.mikrosize.com)

Email: [mikrosize@mikrosize.com](mailto:mikrosize@mikrosize.com)



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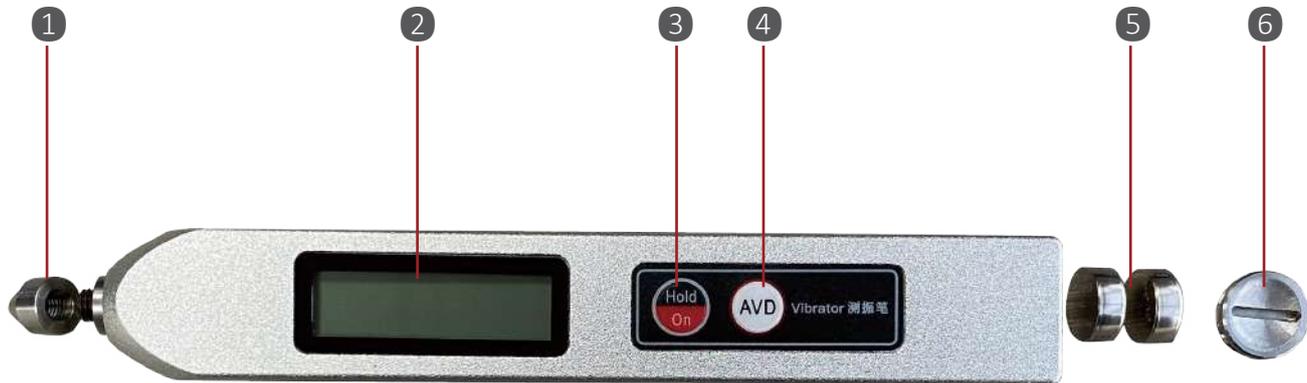
# Product Features and Application

- Dot matrix LCD display with AVD display function and high-frequency acceleration display function, capable of conducting simple fault diagnosis;
- Compact size with a robust casing, offering excellent electromagnetic interference resistance;
- Powered by two LR44 batteries for ultra-low power consumption;
- All operations can be completed with just two buttons, simple and easy to understand;

- Vibration detection for various types of operating mechanical devices;
- Provides quantitative vibration data for equipment maintenance personnel;
- Capable of detecting vibrations in components such as automobile engines, transmissions, and drive shafts;



# Instrument Structure



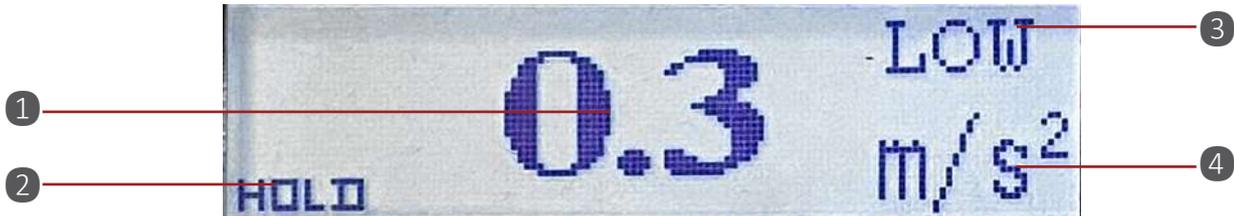
**1. Probe**  
**5. Battery**

**2. Display Screen**  
**6. Battery Cover**

**3. Measure/stop Button**

**4. Mode Switch Button**

# Interface Display



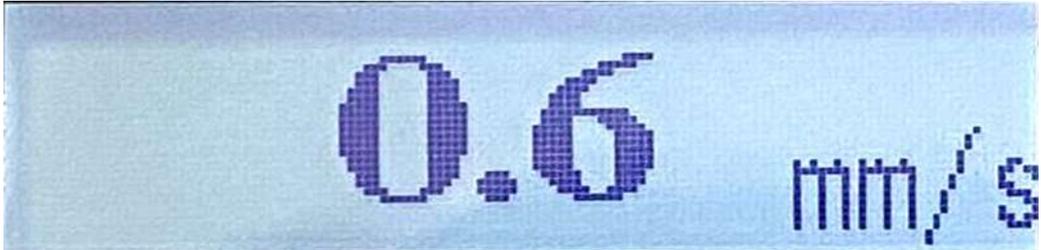
**1. Measured Value**

**2. Measurement Status**

**3. Low-frequency Acceleration**

**4. Measurement Parameters**

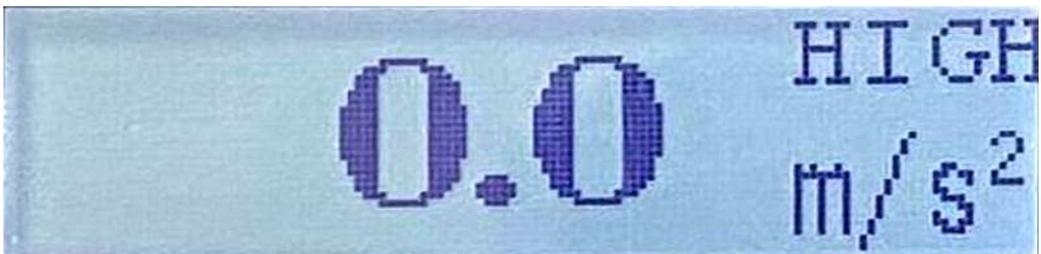
# Measurement Parameter



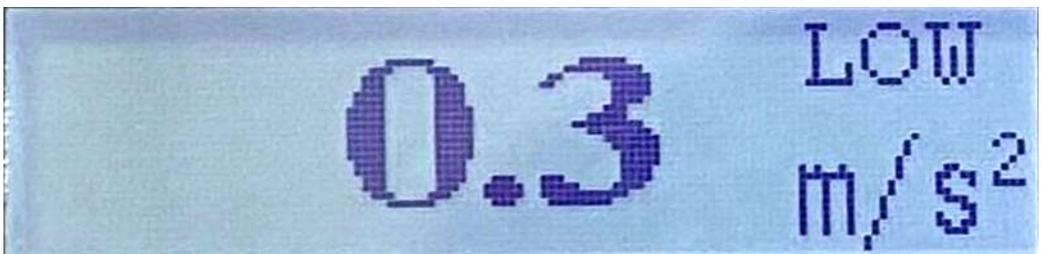
0.6 mm/s



0.147 mm



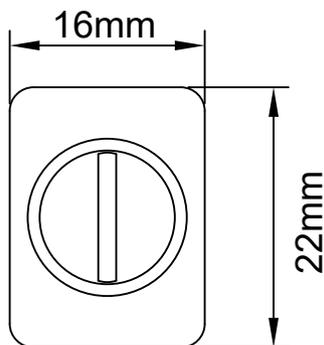
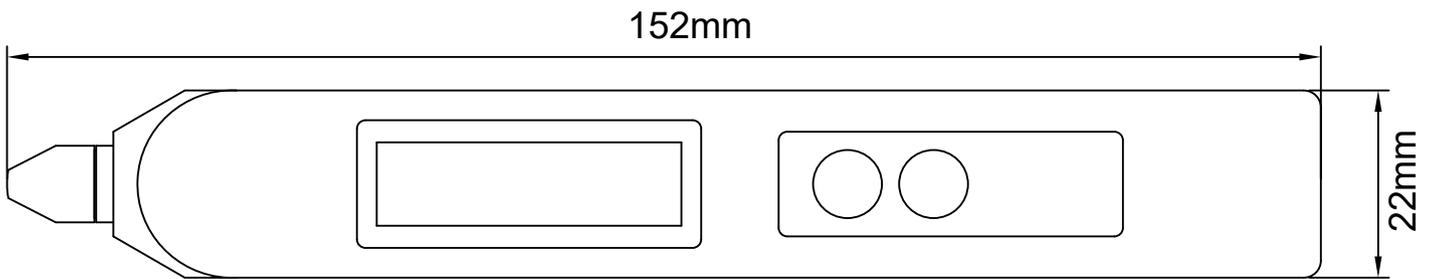
0.0 HIGH  
m/s<sup>2</sup>



0.3 LOW  
m/s<sup>2</sup>

With multiple measurement parameters including velocity, displacement, and acceleration, users can select according to their needs.

# Instrument Dimension



# Technical Specification

<b>Measurement Parameters</b>	Acceleration, velocity, displacement
<b>Measurement Range</b>	Acceleration:0.1m/s <sup>2</sup> -290.0m/s <sup>2</sup> (peak value)
	Velocity:0.1mm/s-290.0mm/s(valid value)
	Displacement:0.001mm-2.900mm(peak-peak value)
<b>Frequency Range</b>	Acceleration:10Hz~1kHz(LO), 1kHz~15kHz(HI)
	Velocity:10Hz~1kHz
	Displacement:10Hz~500Hz
<b>Measurement Error</b>	±5%±2
<b>Display</b>	LCD display
<b>Battery</b>	Two LR44 button batteries
<b>Working Hours</b>	Continuous work for about 4 hours,intermittent use about 300 times
<b>Use Environment</b>	Temperature: 0°C~40°C
	Relative humidity<85%
<b>Size</b>	152×22×16mm
<b>Weight</b>	90g

# Standard Delivery

Items	Qty	
Main Unit	1	
Neck Strap	1	
LR44 Battery	2	
Screwdriver	1	
Leather Case	1	
Packing box	1	
Manual	1	
Certificate	1	
Warranty card	1	
Packing card	1	