

INTRODUCTION

The **Metravi 906 Vibration Frequency Meter** is designed to provide a reliable solution for detecting, analysing, and preventing mechanical issues in rotating and reciprocating equipment.

In industries where unexpected machine failure leads to costly downtime and safety risks, the Metravi 906 enables early identification of vibration-related problems such as imbalance, misalignment, and wear—before they escalate into critical failures.

Utilising a high-sensitivity **piezoelectric sensor**, the instrument converts mechanical vibrations into precise electrical signals, allowing accurate measurement of **vibration displacement, velocity, acceleration, and frequency**.

With its ability to measure vibration frequency with high resolution and selectable frequency ranges, it adapts easily to diverse applications across machinery and operating conditions.

Ideal for **preventive and predictive maintenance**, the Metravi 906 is widely used in **mechanical manufacturing, power plants, maintenance departments, and aerospace applications** for non-destructive testing and condition monitoring.

Its compact design, dual measurement modes, and long battery life make it a practical and efficient tool for field engineers and maintenance professionals seeking dependable machine health diagnostics.

FEATURES

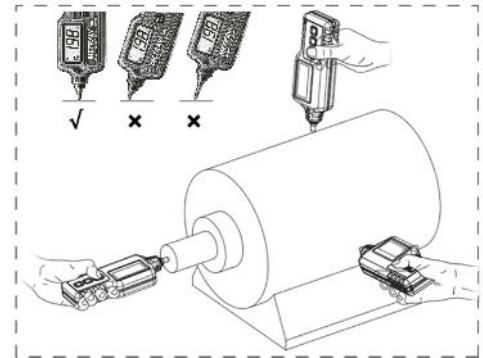
- Directly measure Vibration Frequency value with a resolution of 1Hz.
- High-sensitivity sensors ensure accurate measurements.
- Selectable high/low frequency range.
- Powered by two AAA alkaline batteries, providing approximately 40 hours of standby time.
- Two Measurement Modes: Manual and Automatic Continuous.

*Technical Specifications & Appearance are subject to change without prior notice

TECHNICAL SPECIFICATIONS

Parameters	Specification
Acceleration	0.1~199.9m/s ²
Velocity	0.1~199.9mm/s
Displacement	0.001~1.999mm
Accuracy	±5%+2digits
Vibration Frequency	20Hz~1500Hz
Accuracy	20~300Hz ±2Hz 300~1500Hz ±1%
Frequency Resolution	1Hz
Acceleration Frequency	10Hz~1KHz (LO) 1KHz~15KHz (HI)
Velocity Frequency	10Hz~1KHz (LO)
Displacement Frequency	10Hz~1KHz (LO)
Sampling Time	≈1 second
Single Output	AC output 2V peak (display full scale) Load impedance 10KΩ or more earphones can be connected
Auto Power-off	No operation for 1 minute
Operation Environment	0~40°C ; 30%~90%RH
Power Supply	1.5V AAA Alkaline Battery 2pcs
Battery Life	≈ 40H continuous use
Dimensions	67x30x183 mm
Weight	131g
Accessories	Short Probe (S), Long Probe (L), Magnetic Suction Cup 2 x 1.5V AAA Batteries, User Manual

USAGE INSTRUCTIONS
for Metravi 906 Vibration Frequency Meter



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