Vibration Meter (Integrated) GM-63A

Code: GM-63A HSN: 90318000 GST: 18% Brand: AVAIN LABS









AVAIN LABS® Vibration Meter (Integrated) GM-63A

The AVAIN LABS® Vibration Meter (Integrated) GM-63A is a compact and versatile digital vibration measuring instrument designed for monitoring and measuring vibration through acceleration, velocity, and displacement. Equipped with a piezoelectric ceramic accelerometer (shear-type) and a clear 3½-digit LCD display, the GM-63A is suitable for vibration inspection, equipment monitoring, maintenance, and technical measurement applications.

The instrument provides three measurement modes — Acceleration, Velocity, and Displacement — allowing users to evaluate vibration characteristics according to their testing requirements.

Key Features

- AVAIN LABS® Vibration Meter GM-63A
- Integrated piezoelectric ceramic accelerometer (shear-type)
- Measures Acceleration, Velocity, and Displacement
- Acceleration measuring range: 0.1 to 199.9 m/s² peak
- Velocity measuring range: 0.1 to 199.9 mm/s RMS
- Displacement measuring range: 0.001 to 1.999 mm
- 3½-digit LCD display
- Accuracy: ±5% ±2 digits
- Vibration frequency range: 10 Hz to 1 kHz (LO) 1 kHz to 15 kHz (HI)
- 10 Hz to 1 kHz (LO)
- 1 kHz to 15 kHz (HI)
- Display update time: 1 second
- Automatic power-off after 60 seconds
- Different vibration frequency selection
- Supplied with long and short probe heads
- Low-power indication
- Compact and portable design

Three Measurement Modes

The AVAIN LABS® GM-63A Vibration Meter provides three important vibration measurement parameters:

Acceleration:Measures vibration acceleration from 0.1 to 199.9 m/s² peak.

Velocity:Measures vibration velocity from 0.1 to 199.9 mm/s RMS.

Displacement:Measures vibration displacement from 0.001 to 1.999 mm.

This multi-mode functionality makes the GM-63A a practical instrument for different vibration measurement and monitoring requirements.

Piezoelectric Ceramic Accelerometer

The GM-63A uses a piezoelectric ceramic accelerometer with a shear-type design for vibration detection. Its integrated sensor provides convenient measurement without requiring a separate external accelerometer for normal operation.

Wide Frequency Range

The vibration frequency range can be selected according to the measurement requirement, with:

- 10 Hz to 1 kHz (LO)
- 1 kHz to 15 kHz (HI)

The instrument also provides different vibration frequency selection, giving users flexibility for various vibration monitoring applications.

Long & Short Probe Heads

The AVAIN LABS® Vibration Meter GM-63A is supplied with long and short probe heads, allowing users to select the appropriate probe according to the measurement situation and accessibility of the test location.

Automatic Power-Off & Low-Power Indication

To help conserve battery power, the GM-63A features automatic power-off after 60 seconds. A low-power indication alerts the user when the battery requires attention.

Technical Specifications

Specifications

Product Name	Vibration Meter (Integrated)
Model	GM-63A
Brand	AVAIN LABS®
Detection Method	Piezoelectric Ceramic Accelerometer (Shear-Type)
Acceleration Range	0.1–199.9 m/s² Peak
Velocity Range	0.1–199.9 mm/s RMS
Displacement Range	0.001–1.999 mm
Measurement Modes	Acceleration / Velocity / Displacement
Accuracy	±5% ±2 Digits
Frequency Range	10 Hz–1 kHz (LO), 1 kHz–15 kHz (HI)
Display Update Time	1 Second
Display	3½-Digit LCD
Probe Heads	Long & Short Probe Heads
Auto Power-Off	After 60 Seconds
Low Power Indication	Yes
Power Supply	1 × 9V (6F22) Battery
Dimensions	67 × 30 × 183 mm

Available models (3)

Cat. No.	Model / Size	Size	Detection...	Accelerat...	Velocity ...	Displace...	Modes	HSN
GM-63A-S1		Small						90318000
GM-63A-S2		Large						90318000
GM-63A	Piezoelectric ceramic accelerometer (shear-type), 0.1 to 199.9 m-s² peak, 0.1 to 199.9 mm-s rms, 0.001 to 1.999 mm, Acceleration-Velocity-Displacement		Piezoelectric ceramic accelerometer (shear-type)	0.1 to 199.9 m-s² peak	0.1 to 199.9 mm-s rms	0.001 to 1.999 mm	Acceleration-Velocity-Displacement	90318000

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