MECH TECH GLOBAL

Reliable – Robust – Reasonable

PORTABLE VIBROMETER

ADL-M15

UNIQUE SOLUTION

FOR VIBRATION MONITORING

SIMPLE. FUNCTIONAL. RELIABLE.

The ADL-M15 is a multifunctional measuring device designed to measure vibration in three parameters: vibration velocity, acceleration, and displacement.

It also enables rolling bearing diagnostics using the peak factor and determines the vibration signal spectrum using specialized software.

The latest technologies, components, and engineering solutions

- Bluetooth connectivity
- NFC reader
- IP54 RATED — Dust and moisture protection
- LI-POL — Lithium-polymer battery
- RTC — Real-time clock

A unique diagnostic tool for vibration monitoring.

A user-friendly portable device with NFC functionality and Bluetooth and USB-C interfaces, capable of connecting to and exchanging data with external devices.

5 USAGE ALGORITHMS OF THE ADL-M15

1. Classic Vibrometer
2. Vibration Analyzer
3. Run-Up/Coast-Down
4. Monitoring
5. Route-based Inspection

Key advantages of the ADL-M15 portable vibrometer include:

- Compact design with interchangeable probes and magnetic mount.
- M5 stud mounting eliminates human factor influence during measurements.
- Capability to set parameters such as time, frequency, and polling intervals.
- High resistance to shocks and drops.
- Fast data transfer to external devices via specialized software.
- Built-in event logger.
- Built-in flash memory for storing settings and data.
- Color indication when vibration parameters exceed set thresholds.
- Emergency value storage.
- Measurement resolution up to 0.01.
- Bright OLED display.
- Simple and convenient operation.

The ADL-M15 is a reliable assistant that ensures maximum efficiency of industrial equipment.

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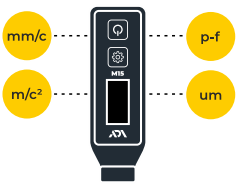
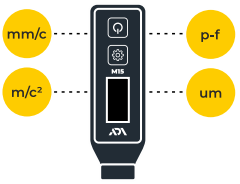
The extended functionality of the ADL-M15 allows for various usage scenarios. The device features 5 predefined interaction algorithms for solving a range of vibration analysis and diagnostic tasks.

Classic Vibrometer

This mode for conventional use as an indicator of overall vibration level, peak value measurement, displacement, or bearing diagnostics using the peak factor.



Measurement of general vibration parameters



1 Continuous data collection

2 Data transfer and analysis via external software

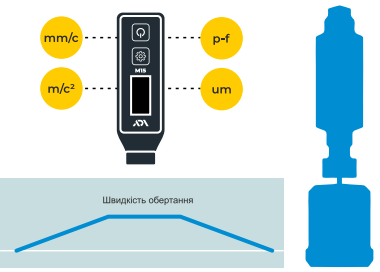
Vibroanalyzer

This mode allows performing all the functions of the "Classic Vibrometer" mode, with the added capability of displaying the vibration spectrum and saving data to professional software.

Run-Up/Coast-Down

ADL-M15 records data from start-up to operating speed, then from slowdown to full stop.

This enables trend analysis of vibration amplitude over time and prediction of damage risks at critical shaft frequencies.



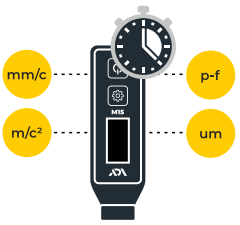
1 Continuous data collection

2 Data transfer and analysis via external software

Monitoring

The device records vibration parameters at specific time intervals, such as every hour, day, or week.

This mode enables comprehensive vibration inspection and monitoring of any industrial equipment.



1 Timer-based data acquisition

2 Data transfer and analysis via external software

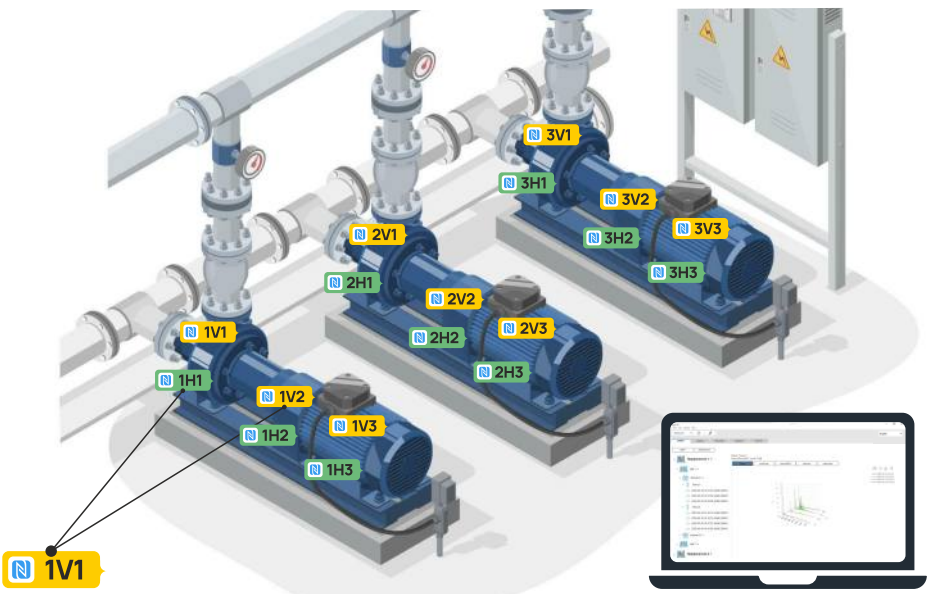
Route-based Inspection

The inspection of control points can be performed by any technical personnel following a pre-defined route. Two methods are available:

1. Manual selection of the required point directly on the device;
2. Scanning pre-installed NFC tags.

No additional equipment is required — all functionality is built into the device.

NFC tag scanning records the time, point ID, device ID, and measurement parameters. All data is logged and uploaded to the database, automating the diagnostic process.



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