



**The ADL M12 portable vibration** meter is a simple and user-friendly diagnostic tool for monitoring vibration and solving problems related to the vibrational condition of various industrial equipment.

The ADL-M12 vibration meter will help ensure uninterrupted operation and reduce costs for repairing and servicing industrial equipment by detecting wear and damage at early stages.

The main advantages of the ADL M12 are:

- Miniature design with magnetic mounting and the possibility of attaching to an M5 stud, which eliminates the influence of the human factor on the measurement process;
- High measurement accuracy for 3 vibration parameters: vibration velocity, vibration acceleration, and vibration displacement;
- Diagnosis of rolling bearings by peak factor;
- High degree of shock and drop protection;
- Built-in battery and USB Type-C charging connector;
- Bluetooth 5.2 connectivity (option);
- Real-time data transmission to any mobile device (additional option);
- Built-in bright OLED display;
- Measurement resolution up to 0.01;
- Simplicity and ease of use.

A distinctive feature of the ADL M12 vibration meter is the ability to operate in the following modes:

**Classic vibrometer** - implies the use of the device as an indicator of the overall vibration level, measurement of peak values, displacement, or diagnosis of rolling bearings by peak factor. As a result, the device displays the current and averaged value. The duration of vibration value averaging can also be customised upon individual request. This mode will be useful for daily monitoring of equipment such as pumps, reducers, electric drives, and turbochargers, including both individual components of rotating equipment and the whole machine, which will provide a general understanding of the vibrational state of industrial equipment.

**Lineman Assistant** - work of the servicing personnel along a specified route with data transmission to an external device. It is possible to connect to existing software or order individual software development.

The ADL M12 vibration meter is a portable assistant for vibration control that significantly improves the vibration monitoring process, making it extremely simple, convenient, and accurate.

<b>Parameter name</b>	<b>Value</b>
RMS value of vibration velocity	0.01—200mm/s
Peak value of vibration acceleration	0.1—200 m/s <sup>2</sup>
Peak-to-peak	2-2000 μm
Frequency range	10-1000 Hz
Measurement error	±5%
Protection class IP sensor	IP 54
Sensor power supply	Li-Pol battery, 3.7 V; 370 mAh
Battery life depending on the intensity of work	4 - 8 hours
Battery Charging Connector	USB Type-C
Charging time	1,5 hours
Operating temperature range	-10 to +55° C
Humidity	85 %
Overall dimensions (with magnetic fastening)	31x22,5x91 mm
Screen type, size	OLED, 0,91’’
Weight	68 g

#### **Delivery set of vibrometers ADL-M12**

Vibrometer	1 pc
Magnet	1 pc
USB Type-C cable	1 pc
Mains charger	1 pc
Carrying and storage bag	1 pc
Manual	1 pc
Warranty card	1 pc