



Macrobaleros S. A. de C.V.



**TURKEY
ADELIX**

• **PURPOSE**

The frequency range of measurements, wide enough for use in almost any industry, transport, construction and utilities

• **FUNCTIONAL**

Express diagnostics of the vibration state of the equipment according to the RMS value of vibration velocity, vibration acceleration and vibration displacement

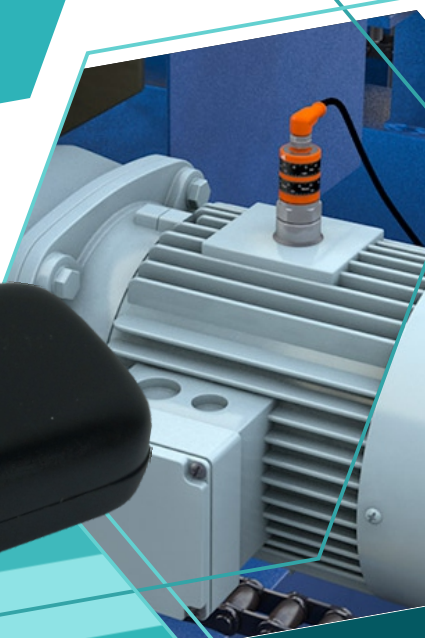
• **CONVENIENCE**

Miniature, bright screen Up to 9 hours of battery life. Intuitive control and display of the measurement process and result

Vibrometers **ADL-M20**

the best solution for operational vibration monitoring

made in
TURKEY



- Measurement of the SCR of vibration velocity, vibration acceleration, vibration displacement
- Measurement of surface temperature
- Data transmission via Bluetooth

ADL
series

Portable vibrometer ADL-M20

Extend the service life of your equipment

Portable vibrometer **ADL-M20** is designed for rapid diagnostics of the vibration and thermal condition of equipment.

Scope of application

Portable vibrometers **ADL-M20** are applicable in metallurgy, mechanical engineering, petrochemical, as well as light industry, defense industry, thermal and nuclear power, when servicing equipment of agricultural complexes, housing and communal services, transport, etc.

The **ADL-M20** allows rapid diagnostics of the vibration state of industrial equipment, measurement of vibration indicators (vibration velocity, vibration displacement, vibration acceleration). It is applicable for monitoring both entire structures and their individual elements.

In addition, the device has the possibility of non-contact temperature detection. No specialized skills and qualifications are required to work with the device. These vibrometers can be used by line personnel without special training.

The ADL-M20 vibrometer allows you to wirelessly transfer data to mobile devices (Android).

Appointment

Operational control of the mechanical condition during operation, diagnostics, maintenance and repair of equipment: bearings, gears, turbines, generators, electric motors, fans, pumps, rotors, distribution units, etc.

Features and benefits

- diagnostics of vibration parameters
- non-contact temperature measurement
- high measurement accuracy
- quick measurement at the touch of a button
- long battery life from the built-in battery
- the measurement process is displayed on a bright display
- no special skills, knowledge and special qualifications of the service personnel are required
- a frequency range of measurements sufficient for use in almost any industry, transport and public utilities

Technical specifications

Parameter	Value
RMS value of vibration velocity	0,01—200 mm/s
Peak value of vibration acceleration	0,1—200 m/s ²
The scope of vibration displacement	2—2000 mkm
Relative error	+/- 5 %
Operating frequency range	10-1000 Hz
Temperature measurement range	from -20 to +200°C
Accuracy of temperature measurement	0,5 °C
Display type	OLED, 0.96"
Display Size	128x64 mm
Li-Pol battery	3.7V, 600 mAh

Parameter	Value
Connector	micro USB or USB Type-C
Compatibility	Android, iOS
Wireless communication module	Up to 10m Bluetooth Low Energy (BLE)
Continuous operation time	8 hours
Environmental conditions	
- temperature	0–55°C
- relative humidity	< 85 %
Degree of protection	IP54
Overall dimensions	170x36x20 mm
Weight	100 g

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