

Vibration analyzer designed for general vibration measurements, FFT spectrum analysis of rotating equipment, quick evaluation according to ISO 10816, rotating equipment balancing, condition monitoring, measurement and data acquisition.

VIBRATION ANALYZER MS30L/ MS30/ MS32

made in
TURKEY



ADL
series

Vibration Analyzer MS30L/ MS30/ MS32

The instrument is simple and reliable to use, with built-in software that allows easy data management and reporting.

Measurement of vibration with a vibrometer is very fast and does not require preparatory work. It is possible to measure 100 units per shift with the issuance of reports on the condition of the equipment in the enterprise.

Vibration values measured after some time (for example, after 1 month) make it possible to predict the development of vibration and plan the timing of the next repairs. This allows you to save a lot of money compared to scheduled repairs.

The values measured by the vibration analyzer can be used to diagnose unit defects using signal spectrum analysis. For example, by key and "defective" lines on the spectrum, it is

possible to determine the state of bearings, imbalance, misalignment and other defects.

The main field of application of the devices is the operational control of the mechanical condition during operation, diagnostics, maintenance and repair of equipment: bearings, gears, turbines, generators, fans, pumps, rotors, distribution plants, ball mills, rolling mills, gearboxes, conveyors, engines, blowers and many other equipment. Applicable for monitoring both entire structures and individual elements.

Vibration analyzers of the ADL MS series are used in metallurgy, mechanical engineering, petrochemical, light and defense industries, thermal and nuclear power engineering, maintenance of agricultural equipment, housing and communal services and transport.

Model range:

ADL MS30L – measurements and analysis of vibration on the 1st channel;

ADL MS30 – vibration measurement and analysis on the 1st channel, rotational speed and non-contact temperature measurement;

ADL MS32 – measurement and analysis of vibration on the 1st channel, measurement of rotational speed and balancing.

Features and functions of the device:

- Measurement of vibration velocity, vibration displacement and vibration acceleration;
- Possibility of obtaining vibration change trends using specialized software;
- Method of shock impulses to determine the condition of bearings;
- Spectral vibration analysis (fast Fourier transform);
- Analysis of the time signal;
- Envelope analysis to determine the condition of rolling and sliding bearings;
- Display of RMS and peak vibration values;
- Non-contact infrared tachometer for measuring rotational speed;
- Phase measurement;
- Measurement in the acceleration/run-out mode;
- Dynamic balancing in own supports (up to 8 correction planes);
- Built-in battery;
- Easy and intuitive control, Bright screen;
- Dust and moisture protection design of the keyboard, screen and connectors.

The introduction of vibrometers of the ADL series at enterprises will allow:

- significantly increase the reliability and service life of equipment; eliminate the risk of emergencies and ensure the continuous operation of the enterprise;
- increase profits by reducing the cost of unforeseen repairs and downtime;
- timely detect an increased level of vibration.

Main technical characteristics:

Parameter	Meaning			Parameter	Meaning		
	ADL MS30L	ADL MS30	ADL MS 32		ADL MS30L	ADL MS30	ADL MS 32
Number of vibration channels	1	1	1	Temperature range	-	-70...+380°C	
Rotation frequency channel	-	+	+	Speed measuring range	-	10...200000 rpm	
Measure temperature	-	+	-	FFT spectral analysis	400, 800, 1600 spectrum lines		
Frequency range	1...10000 Hz			Memory	4 GB		
Vibration acceleration range	up to 200 m/s ²			PC data and charging	USB		
Vibration velocity range	up to 200 mm/s			Display	color, 128x160 pixels		
Displacement measurement range (peak-to-peak)	up to 2000 µm			Battery	Built-in, LiPo		
Accuracy	Before 5%			Terms of Use	0°C to 50°C		
Possibility of balancing	-	-	+	Overall dimensions	132 x 70 x 33mm		
				Weight	150 g		

Contents of delivery:

- Indication block ADL MS;
- Accelerometer;
- 1.5m cable to the vibration sensor;
- Magnet for attaching the vibration sensor;
- Optical probe, magnetic stand (version ADL MS 30, ADL MS 32);
- Temperature sensor built into the probe (version ADL MS 30);
- Network USB-charger;
- USB cable;
- Software CD;
- User manual;
- Carry case.