



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 ADL MS30L/ MS30/ MS32

made in
TURKEY



ADL
series

Vibration Analyzer ADL 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.

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, me-chemical engineering, petrochemical, light and defense industries, thermal and nuclear power engineering, maintenance of agricul-tural equipment, housing and communal services and transport.

Model range:

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

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

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

Features and functions of the device:

- Measurement of vibration velocity, vibration displacement and vibration acceleration;
- Spectral vibration analysis (fast Fourier transform);
- Analysis of the time signal;
- Display of RMS and peak vibration values;
- Non-contact temperature measurement (version ADL MS 30);
- Optical tachometer for measuring rotational speed;
- Balancing and determination of the phase angle (version ADL MS 32);
- Measurement in the acceleration/run-out mode;
- Dynamic balancing in own supports (up to 4 correction planes);
- Possibility of obtaining vibration change trends using specialized software;
- Built-in battery;
- Easy and intuitive control;
- Dust and moisture protection design of the keyboard, screen and connectors;
- Bright screen.

The introduction of the ADL series vibration meters 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 and eliminate the increased level of vibration.

Specifications of ADL series:

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	-
Speed sensor channels	-	+	+	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 connection and charging	USB		
Vibration velocity range	up to 200 mm/s			Display	color, 128x160 pixels		
Displacement measurement range (peak-to-peak)	up to 2000 um			Battery	Built-in, Li-Pol		
Accuracy	up to 5%			Terms of Use	0°C to 50°C humidity up to 80%		
Possibility of balancing	-	-	+	Overall dimensions	132 x 70 x 33mm		
				Weight	150 g		

Delivery set:

- Indication block ADL MS;
- Accelerometer;
- 1.5m cable to the vibration sensor;
- Magnet for attaching the vibration sensor;
- Optical tachometer for rotational speed measuring, magnetic stand (version ADL MS30, ADL MS32);
- Temperature sensor built into the probe (version ADL MS30);
- USB power adapter;
- USB cable;
- Software CD;
- User manual;
- Carry case.



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