TURKEY

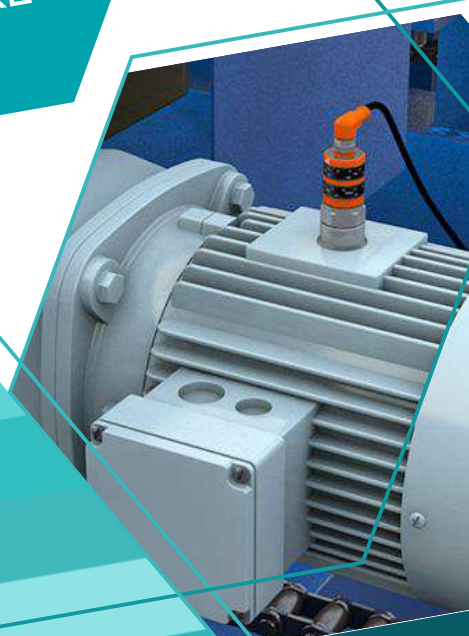
ADELIX

VIBRATION ANALYZER WITH LASER ALIGNMENT FUNCTION

MS52, MS52PRO, MS54, MS54PRO

The vibration analyzer is a compact instrument with many functions for expert diagnosis of the vibration state and the causes of non-stationary equipment operation. Models MS52Pro and MS54Pro include the possibility of precise, simple and fast laser shaft alignment.

made in TURKEY



ADL series

Vibration analyzer with laser alignment function MS52, MS52Pro, MS54, MS54Pro

Vibration analyzer designed to measure general vibration parameters, analyze the vibration spectrum of rotating equipment, quickly evaluate according to ISO 10816, monitor the status of measurements and collect data for subsequent diagnostics and adjustment of various industrial equipment.

Features of vibration meter:

- 2 or 4 channels for measuring and evaluating the vibration spectrum;
- Classic reliable piezo accelerometers;
- Wide frequency range for high quality and professional diagnostics;
- Easy and precise shaft alignment;
- Distance between sensors on alignment equipment - up to 10m;
- Shaft diameter range 20 to 250 mm diameter with supplied chains;
- Ultralight wireless laser sensors with built-in Bluetooth for alignment;
- Wide range of features including horizontal and vertical machine alignment, gasket simulator and thermal expansion calculation;
- Preparation of reports in PDF format and other;
- Large capacity flash drive for storing measurements and reports;
- USB interface for PC connection;
- Energy-intensive battery;
- Measurement archiving and reporting software;
- Intuitive interface;
- Bright and color display.

Model range:

ADL MS52 –2 channel vibration analyzer
ADL MS54 –4 channel vibration analyzer
ADL MS52 PRO – 2-channel vibration analyzer with alignment system
ADL MS54 PRO – 4-channel vibration analyzer with alignment system

The main field of application of the devices

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. Vibration analyzers of the MS series are applicable for monitoring both entire structures and individual elements.

The vibration analyzers of the 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.

The presence of a service center based on the Adelix company in Turkey, Ankara, provides the possibility of warranty and post-warranty service throughout the entire period of operation.

PARAMETER	ADL MS52	ADL MS52PRO	ADL MS54	ADL MS54PRO
Entrance	2		4	
Frequency range	1... 25000Hz			
Vibration measurement range:				
-vibration acceleration	200 m/s^2			
-vibration speed	200 mm/s			
- vibration displacement	2000 uM			
Speed measuring range	10...200000 rpm			
FFT Spectrum Resolution	100, 200, 400, 800, 1600, 3200, 6400, 12800, 25600, 51200, 102400 hat			
Accuracy	5% lines			
Global				
Memory	4 GB			
PC interface	USB			
Display	Color VGA			
Battery	Li-Po rechargeable, up to 8 hours of continuous use			
Dimensions	220 x 102 x 40 mm			
Measuring block weight	470 g			

LASER ALIGNMENT SYSTEM, ADL MS52PRO, ADL MS54PRO

Shaft diameter range	20 to 250 mm (0.8 to 10 in.) diameter with supplied chains	Electronic inclinometer	Accuracy ±0.1°
Type of laser	diode laser	Connections	Integrated wireless communication Class 1 (up to 100m)
Laser wave length	650 - 675 nm	Dimensions	91 x 57 x 42 mm
Laser safety class	2	Weight	125 gram
Maximum laser power	1 mW	Battery	Li-Po rechargeable battery, up to 8 hours of continuous use
Distance between measuring units	Maximum: 10 m Minimum: 70 mm		

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