

VECTOR VIBRATION DIAGNOSTIC SYSTEM



Areas of Application

The VECTOR mobile vibration diagnostic system is designed for measuring and processing vibration signals generated by revolving mechanisms to detect and to prevent failure of turbine generators, oil pumping terminals, etc., to diagnose axially symmetric bodies, electric engines, and so on

Advantages

The system enables to synchronously make 3D measurements of vibrations at many points; to work remotely; to detect defects of revolving mechanisms at early stages; to define depth of modulations in signals, and to estimate the residual life of continuously operating mechanisms

Specification

Number of input channels	8
Maximum sampling frequency, kHz	400
Input signal frequency, kHz	25
Maximum USB throughput, kWords/s	500
Range of input signal, V	$\pm 10, \pm 2.5, \pm 0.625, \pm 0.156$
Co-phased signal voltage, V	± 10
Conversion time, μ s	2.5
Input resistance at in the case one-channel input, Mohm	≤ 1
Power supply	
battery, V	12
AC voltage, V	220

Stage of Development.

Suggestions for Commercialization

IRL7, TRL8

Manufacture, delivery, warranty service of equipment, and staff training, upon request

IPR Protection

IPR2, IPR3

Contact Information

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