

# ZETLAB

## FFT SPECTRUM ANALYZERS ZET 034 & ZET 038 FOR THE ANALYSIS OF VIBRO-ACOUSTIC SIGNALS



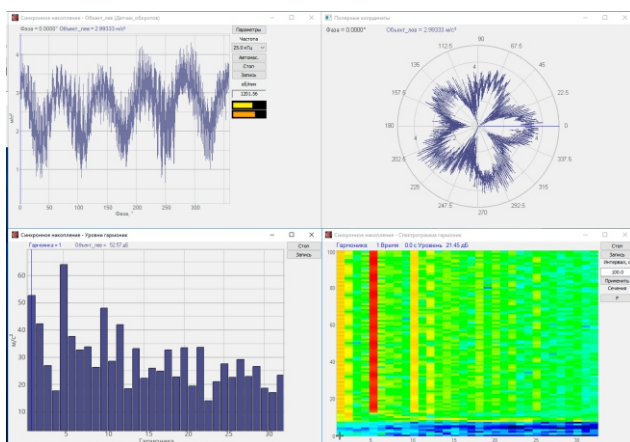
- Software and hardware suite based on 4- and 8-channels controllers
- Wide dynamic range
- Data recording and processing by several channels
- PTP synchronization (in compliance with IEEE 1588)
- Support of ICP (IEPE), DeltaTron, ISOTRON sensors, charge transducers and voltage output transducers
- Potential-free generator
- Signals recording control key

### BASIC TECHNICAL CHARACTERISTICS of FFT Spectrum analyzers

TECHNICAL SPECIFICATIONS	
Digit capacity	24 digits
Frequency range	from DC up to 20000 Hz
Dynamic range	120 dB
Voltage range (by input and output channels)	±10 V
Frequency weighting filters	A, B, C, D
Programmable amplification ratios	1, 10, 100

OPERATIONAL SPECIFICATIONS	
Dimensions	280 × 200 × 35 mm
Weight	1 kg
Power supply network frequency	49,5 - 50,5 Hz
Power supply voltage	198 - 242 V
Consumed power	max 8 W
PC connection interface	Ethernet

### OPERATIONAL FUNCTIONS OF ZETLAB ANALIZ SOFTWARE



ZETLAB ANALIZ is a powerful set of instruments used for signals analysis (spectral, correlational, modal, order analysis, etc.)

The set of virtual instruments also includes the programs for signals filtration, recording and replication, and allows to conduct research activities in various spheres of application:

- ✓ Vibro-acoustic testing;
- ✓ Hydroacoustic measurements;
- ✓ Bearings units diagnostics;
- ✓ Gear mechanisms diagnostics;
- ✓ Development of automated testing facilities.

