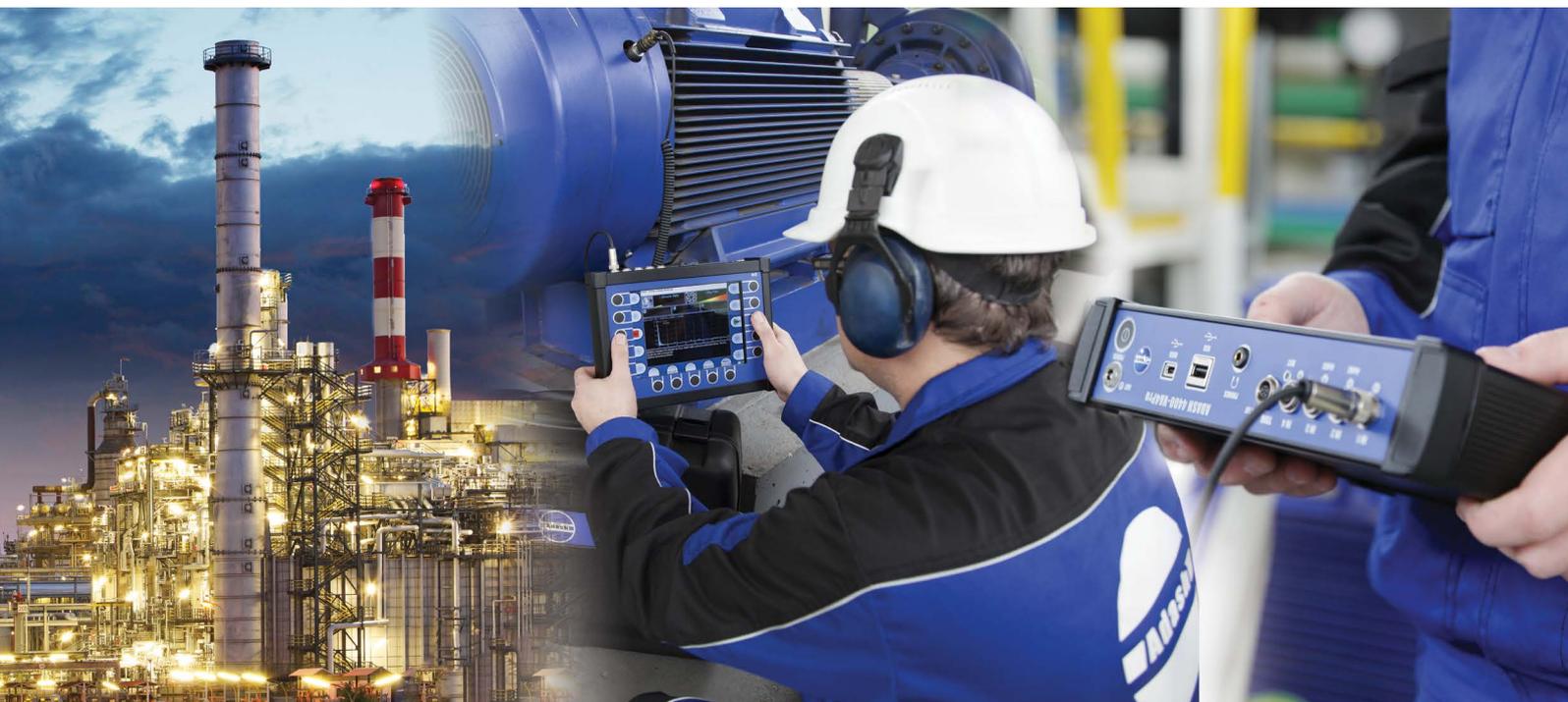


A4400 - VA4 Pro

The fastest 4 channel vibration analyzer



Adash

... Your best partner for vibration diagnostics



A4400 VA4 Pro - The fastest 4 channel vibration analyzer

The A4400 - VA4 Pro is a unique instrument for machinery vibration diagnostics. The A4400 - VA4 Pro includes modules for analyzing, data collecting, and the recording of vibration signals. The instrument is enhanced by modules for dynamic balancing, measurement of run up and cost down, acoustic measurement mode, monitoring and control of lubrication process, and listening to vibration signals by the stethoscope feature. The instrument is equipped with an expert system developed by Adash, that automatically detects machinery faults.

The A4400 - VA4 Pro is designed for engineers, technicians, and researchers dealing with machinery and structural diagnostics, as well as dynamic balancing of rotating machinery.



Expert System includes:

- Automatic detection of machine fault
- ISO 10816-3 included
- Bearing database included

Data processing:

- FFT 25 600 line in real time
- Frequency span up to 76,8 kHz
- Envelope analysis
- Order analysis
- ACMT - very low speed bearing analysis
- User defined frequency bands

35 hours of signal recording
4 channel simultaneously
25 600 Hz frequency range
Real Time FFT 25 600 lines



Industrial design:

- Heavy-Duty aluminium case
- Large color display

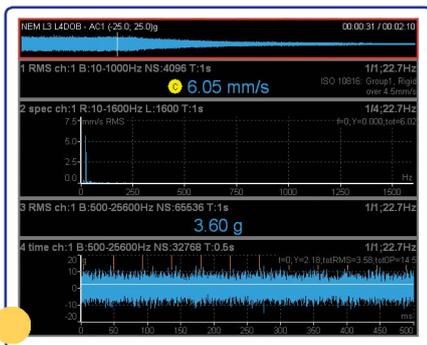
A4400 VA4 Pro - The fastest 4 channel vibration analyzer

- Input channels:
 - - 4 AC, ICP® (On/Off), +/- 12 V pp
 - - 4 DC process values, +/- 24 V
 - - 1 TACHO

- USB 2.0:
 - - High speed data transfer

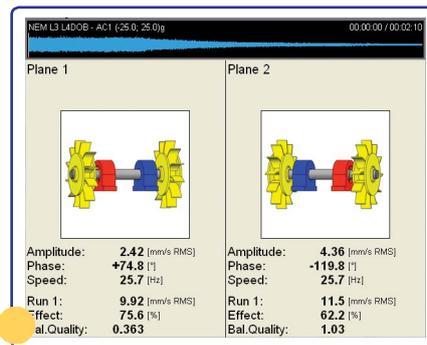


- A/D conversion:
 - - Conversion of signal 24 Bit
 - - Signal processing 64 Bit
 - - Dynamic 120 dB
 - - Auto-Gain less

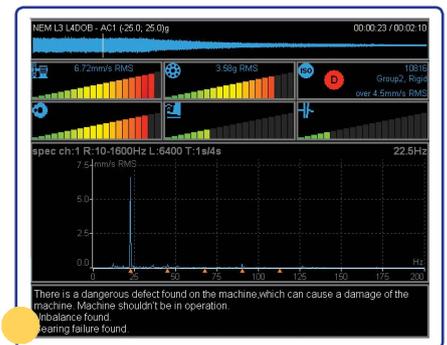


ANALYZER:

- 4 channels simultaneously
- 25 600 FFT lines



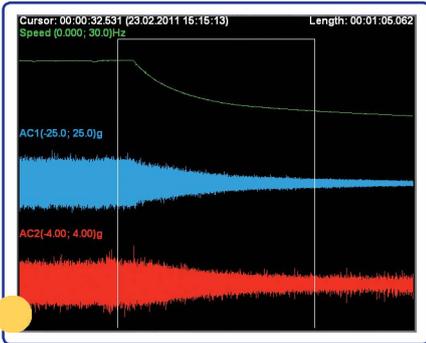
BALANCER



EXPERT SYSTEM:

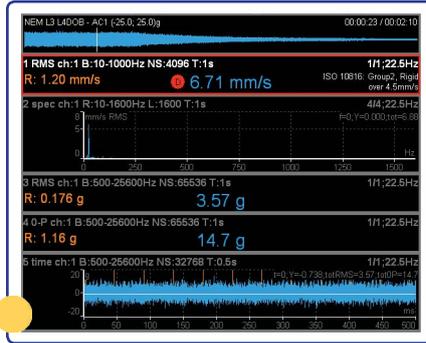
- Automatic fault detection





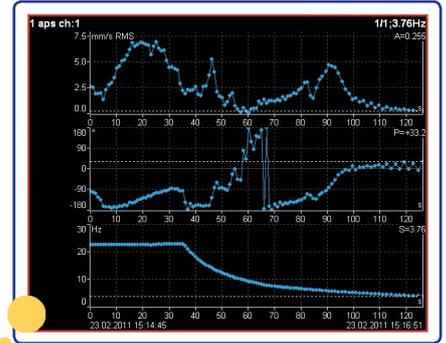
RECORDER:

- 4 channels recording
- 120 GB memory



ROUTE:

- 8000 measuring points
- New DDS 2014 software

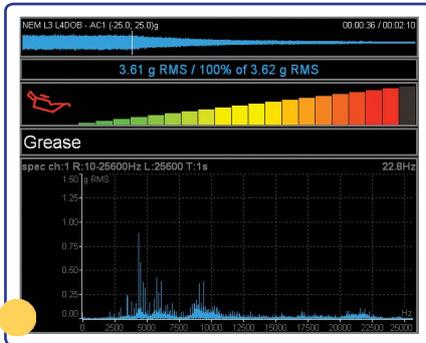


RUN UP/COST DOWN



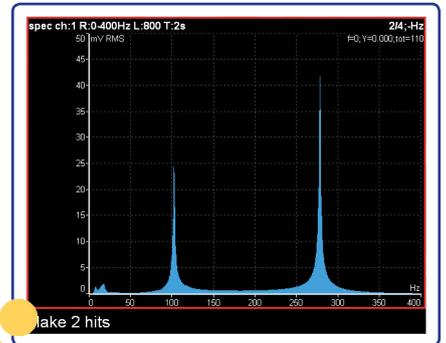
STETHOSCOPE:

- Listening of vibration signal

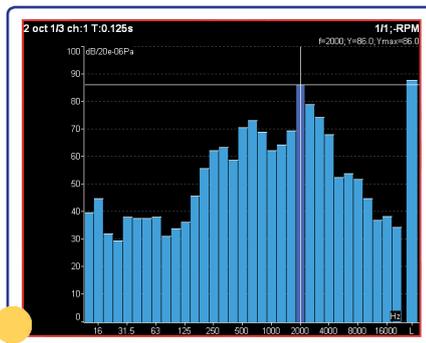


LUBRI:

- Monitoring and control of lubrication process



BUMP TEST



OCTAVE ANALYSIS

Keep your machinery in good condition.



Adash 4400 – VA4 Pro Technical Specifications:

Input channels:	<ul style="list-style-type: none"> • 4 AC, ICP® power supply on/off • 4 DC for process values • 1 TACHO for external trigger 	Data processing:	<ul style="list-style-type: none"> • FFT real time analysis • DEMOD - ENVELOPE analysis • ACMT - low speed bearing analysis • order analysis • user band pass analysis • RPM measurement • DC measurement • Orbit measurement
Input range:	<ul style="list-style-type: none"> • AC +/- 12 V peak-peak • DC +/- 24 V 	Signal Recorder:	<ul style="list-style-type: none"> • 64 kHz sampling frequency • 4 Ch memory consumption 3 GB/hour • 4 Ch total recording - 35 hours
AD conversion:	<ul style="list-style-type: none"> • 24 bit, 64 bit internal signal processing • No AutoGain function! 		
Dynamic range S/N:	<ul style="list-style-type: none"> • 120 dB 	Trigger:	<ul style="list-style-type: none"> • manual, external, signal level, time • use for signal recording trigger • speed change, time interval
Frequency ranges:	<ul style="list-style-type: none"> • max. 76 kHz (1 Ch, 196 kHz sampling) • max. 25 kHz (4 Ch, 64 kHz sampling) • min. 25 Hz (4 Ch, 64 Hz sampling) 	Display:	<ul style="list-style-type: none"> • color 800 x 600 pixels, LCD
Sampling mode:	<ul style="list-style-type: none"> • fully simultaneous for 4 channels 	Communication:	<ul style="list-style-type: none"> • USB
FFT resolution:	<ul style="list-style-type: none"> • min. 100 lines • max. 25600 lines 	Temperature range:	<ul style="list-style-type: none"> • -10°C to +50°C
Unit modes:	<ul style="list-style-type: none"> • Analyzer - analytic measurement • Data-collector - route measurement • Balancer - on-site balancing • Run up / Coast down measurement • Recorder - signal recording • Stethoscope • FASIT -expert system for fault detection • Octave analyzer • Bump test 	Power:	<ul style="list-style-type: none"> • battery 5 hours operation, AC 230 V
Processor:	<ul style="list-style-type: none"> • Intel Atom 1,6 GHz 	Case:	<ul style="list-style-type: none"> • Aluminium Heavy Duty
Memory, Route:	<ul style="list-style-type: none"> • 120 GB, max. 4 GB for one route, number of routes is limited by free memory only 	Size & Weight:	<ul style="list-style-type: none"> • 230 x 140 x 60 mm • 2200 g



Adash America

PO Box 278

Nipomo, CA 93444

e-mail: info@adashamerica.com

tel.: (888) 817 4335

fax.: (480) 393 4830