A4404 SAB

SIGNAL ANALYZER BOX - POCKET ANALYZER

MASTER THE LANGUAGE OF YOUR MACHINERY

A4404 SAB

POCKET ANALYZER

The A4404 - SAB is a pocket sized 4 channel vibration analyzer.

Connect the A4404 - SAB to any computer by USB and use the unit for data analysing, collecting and the recording of vibration signals. The instrument is enhanced by modules for dynamic balancing, measurement of run up and coast down and acoustic measurement mode. The instrument is equipped with an expert system developed by Adash, which automatically detects machinery faults.

The instrument is powered directly by USB connection so no external power is needed.

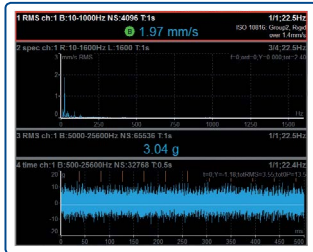**Connect A4404 SAB to your laptop and get all functions of 4 channel analyzer VA4 Pro**

Free download of VA4 Pro - Virtual Unit software enables you to try all functions of the analyzer on your computer

IN 1
IN 2
4xAC
IN 3
4xDC
IN 4
TRIG

IN 1 ... IN4
4x AC +/-12V PEAK
4x ICP* (selectable)
4x DC +/-24V PEAK

TRIG
1x TACHO +10V PEAK
1x PWR 5V/50mA

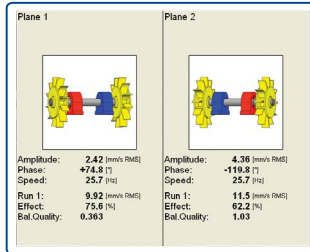A4404
Signal Analyzer Box

VA4 PRO - VIRTUAL UNIT SOFTWARE

POCKET SIZE 4 CHANNEL VIBRATION ANALYZER
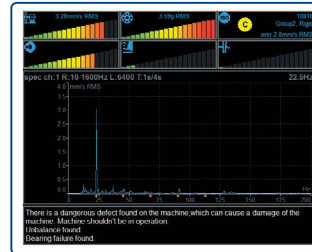Input channels: 4 AC, ICP® (ON/OFF), 4 DC, 1 TACHO
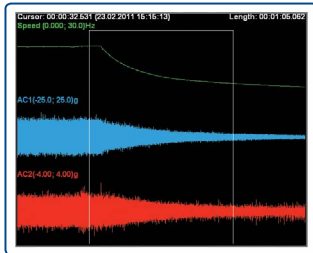
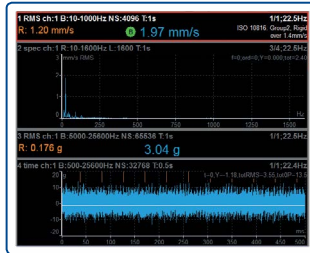# A4404 SAB MEASUREMENT MODES

ANALYZER
› 4 channels simultaneously
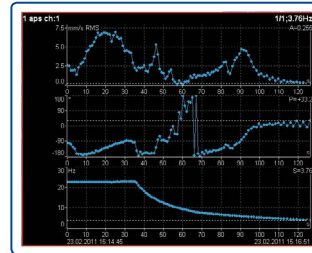

BALANCER
› Intuitive graphical balancing procedure

EXPERT SYSTEM
› Automatic fault detection

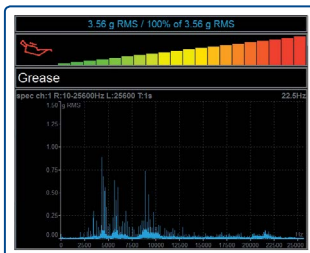RECORDER
› 4 channels recording
› 35 hours signal recording
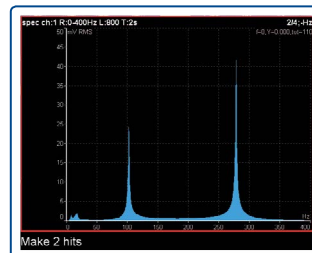

ROUTE
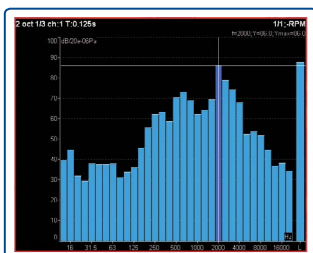› 8000 measuring points
› DDS software

RUN UP/COAST DOWN

STETHOSCOPE
› Listening of vibration signal
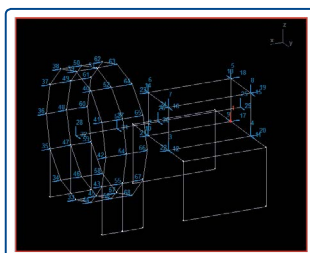

LUBRI
› Monitoring and control of lubrication process

BUMP TEST

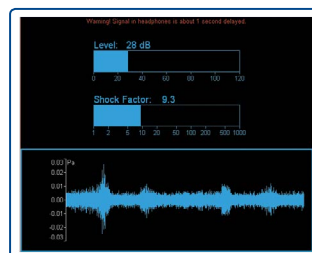OCTAVE ANALYSIS

ADS
› Animated deflection shapes

ULTRASOUND

A4404 SAB TECHNICAL SPECIFICATIONS:

Input channels:	4 AC, ICP® power supply on/off 4 DC for process values 1 TACHO for external trigger
Input range:	AC +/- 12 V peak-peak DC +/- 24V
AD conversion:	24 bit, 64 bit internal signal processing No AutoGain function!
Dynamic range S/N:	120 dB
Frequency ranges:	Maximum range: 1 Hz - 90 kHz (1 Ch, 194 kHz sampling) Maximum range: 1 Hz - 25 kHz (4 Ch, 64 kHz sampling) Minimum range: 1 Hz - 25 kHz (4 Ch, 64 Hz sampling)
Sampling mode:	Fully simultaneous for 4 channels
FFT resolution:	Min. 100 lines Max. 3 276 800 lines
Unit modes:	Analyzer - analytic measurement Data collector - route measurement Balancer - on-site balancing Recorder - signal recording Stethoscope FASIT - Expert system for fault detection Octave analyzer Bump test ADS - Animated Deflection Shapes Ultrasound
Processor:	According to the PC
Memory, Route:	According to the PC hard drive
Data processing:	Real time FFT DEMOD - ENVELOPE analysis ACMT - low speed bearing analysis Order analysis User band pass analysis RPM measurement DC measurement Orbit measurement
Signal recorder:	64 kHz sampling frequency 4 Ch memory consumption 3 GB/hour 4 Ch total recording - 35 hours
Trigger:	Manual, External, Signal level, Time Use for signal recording trigger Speed change, Time interval
Communication:	USB
Temperature range:	-10˚C to +50˚C
Power:	USB powered
Case:	Aluminium heavy duty
Size & Weight:	110 x 115 x 35 mm, 350 g

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Adash