VA5 PRO

VIBRATION ANALYSIS
THERMAL IMAGING
ULTRASOUND MEASUREMENT

EYESIGHT – HEARING – SENSITIVITY

WE HAVE IN COMMON

Adash MASTER THE LANGUAGE OF YOUR MACHINERY

FORGET THE REST
CHOOSE THE BEST

VA5 PRO

FFT WITH UP TO 3 276 800 LINES

90 KHZ FREQUENCY RANGE

RAW SIGNAL RECORDING

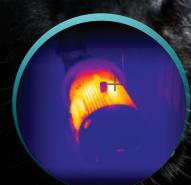OVERALL, TIMEWAVE, SPECTRUM, ORBIT, FRF, CENTERLINE ETC.

MULTITASKING ANALYZER

The VA5PRO allows you to measure more measurement types synchronously. Overall values, FFTs, Time waveforms - on all 4 channels? No problem ...

YOU CAN HEAR IT

Ultrasound microphone for leak detection

20dB

YOU CAN SEE IT

Thermal imaging camera

Enjoy a huge touchscreen to analyze your machinery on site. Measure 4 vibration signal channels and 4 process value channels (temperature, pressure etc.) along with speed synchronously. Triaxial sensor friendly, proximity probes for displacement measurement ready, balancer, octave analysis, bump test, ODS, MCSA - you name it ...

- › Vibration analyzer
- › Balancer
- › RAW signal recorder
- › Thermal imaging camera
- › Machine faults autodetection
- › Route data collector
- › Sound analyzer
- › Operating Deflection Shapes
- › Ultrasound detector
- › Run Up - Coast down
- › Lubrication monitoring
- › Stethoscope

8 CHANNEL SIGNAL ANALYZER
- › 4 AC inputs for vibration measurement
- › 4 DC inputs for process values measurement
- › Tacho input (speed/trigger)

4xAC 4xDC

IN1 IN2 IN3 IN4 TRIG

There is simply no way to show all the VA5PRO measurement capabilities on 4 pages ... see **www.adash.com**

VA5 PRO SPECIFICATIONS

Input channels	• 4 x AC, ICP® power supply on/off • 4 x DC for process values • 1 x TACHO for speed probe/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 (-3 dB)	• Maximum range: 0.35 Hz - 90 kHz (1 Ch, 194 kHz sampling) • Maximum range: 0.35 Hz - 25 kHz (4 Ch, 64 kHz sampling) • Minimum range: 0.35 Hz - 25 Hz (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 - analytical measurements • Data collector - route measurements • Balancer - 1 and 2 plane on site balancing • Run up - run up and coast down measurements • Recorder - raw signal recording for later post analysis • Stethoscope - listening of the bearing/machine noise • FASIT - expert system for automatic fault detection • Octave analyzer - hearable sound measurements • Bump test - measurement of natural frequencies • ADS - Animated Deflection Shapes (Operating deflection shapes) • Ultrasound - measurement of ultrasound in 30 - 50 kHz range • Camera • IR Camera • Gallery

Display	• 1125 x 800 pixels
Built-in camera	• 5 MPx, autofocus
Thermal imaging camera (optionally)	• 384 x 288 pixels • -10°C ~ 250°C temp. range • 50 mK NETD sensitivity
Processor	• Intel Atom 1.9 GHz
Memory, Route	• 64 GB, max. 16 GB for one route, number of routes is limited by free memory only
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
Raw signal recorder	• 64 kHz sampling frequency • 4 Ch memory consumption 3 GB/hour • 4 Ch total recording - 20 hours
Trigger	• Manual, External, Signal level, Time • Speed change, Time interval
Interface	• USB 3.0, 2.0 compatible
Operating temperature range	• -10°C to +50°C
Power	• Battery 8 hours of operation, AC 230 V
Case	• Aluminium heavy duty
Size & Weight	• 29,5 x 23 x 4,9 cm, 2 Kg

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