VA5 PRO

VIBRATION ANALYSIS
THERMAL IMAGING
ULTRASOUND
MEASUREMENT

EYESIGHT – HEARING – SENSITIVITY

WE HAVE IN COMMON

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.

Enjoy 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 ...
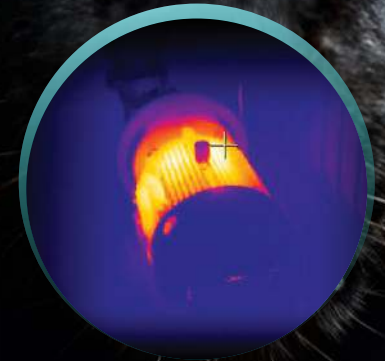
MULTITASKING ANALYZER

VA5Pro allows you to measure more measurement types synchronously. Overall values, FFTs, Time waveforms - on all 4 channels? No problem ...

20dB

YOU CAN HEAR IT
Ultrasound microphone for leak detection

YOU CAN SEE IT
Thermal imaging camera

8 CHANNEL SIGNAL ANALYZER

› 4 AC inputs for vibration measurement

› 4 DC inputs for process values measurement

› Tacho input (speed/trigger)

4xAC   4xDC

› 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

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

MASTER THE LANGUAGE OF YOUR MACHINERY

Adash