

A4300 VA3 Pro

3-CHANNEL, HIGH SPEED ANALYZER, DATA COLLECTOR ...



The A4300 VA3 Pro is the newest addition to our range of portable devices for vibration diagnostics.

There are 2 signal inputs and 1 tacho/trigger input. Input 2 offers connectivity to a triaxial sensor, therefore all 3 channels can be measured simultaneously. The expert system developed by Adash can automatically detect machine faults such as unbalance, looseness, misalignment and bearing faults.

There is a non-contact IR temperature sensor (for immediate bearing temperature measurement) and a LED stroboscope/torch. The A4300 VA3 Pro is designed for one-handed operation. With a weight of just 780g and a battery life of more than 10 hours of operation, the unit is suitable for long route measurements.

The A4300 VA3 Pro instrument can be configured according to your requirements by choosing optional modules: analyzer, route, balancer, recorder, run up or ultrasound. Optional modules can be purchased also additionally and downloaded to the instrument without the need of sending it back to the factory.

- Low weight 780 gLong lasting battery
 - > Ideal for route measurement
 - > Route compatibility with VA4 Pro

Includes stroboscope and torch Instrument firmware updates free of charge from Adash website



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Meter

FASIT

Stroboscope

Analyzer

Route

Balancer Recorder

Run Up

Ultrasound



- > Real time FFT
- > DEMOD ENVELOPE analysis
- ACMT low speed bearing analysis
- Order analysis
- User band pass analysis
- > RPM measurement
- DC measurement
- Orbit measurement



A/D CONVERSION

- > 24 Bit A/D conversion
- > 64 Bit signal processing
- > 120 dB dynamic range
- > No Auto-Gain



- > Heavy-Duty aluminium case
- > Removable Li-Ion battery pack
- More than 10 hours of operation
- > Colour display 240 x 320 px
- > FFT resolution: 25600 lines
- > Route memory: 8GB



TOP PANEL

- > ACC ICP® sensor input
- > 2 signal inputs AC/DC (IN1,IN2)
- Input IN2 is ready for triaxial sensor (3 simultaneous channels)
- Input for tacho/trigger
- > IR non-contact temperature sensor
- > LED stroboscope/torch
- > Mini USB for data transfer

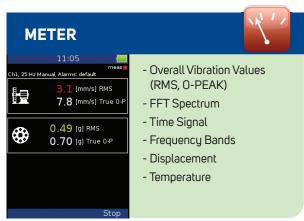


ACCESSORIES

- > Accessories can be selected under your requirements
- Silicone protection cover protects the device (see our video how we perform drop test on adash.com)
- Hard-shell transport case

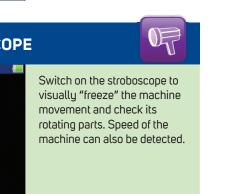


A4300 VA3 PRO MEASUREMENTS MODULES

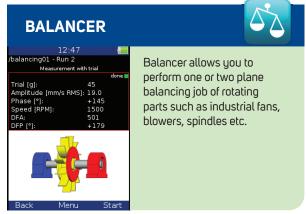


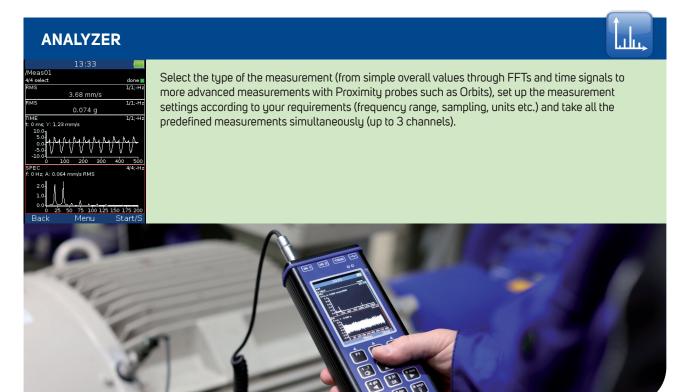
1486.0 RPM 24.77 Hz





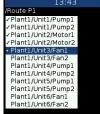








ROUTE



Route module is used for day to day data collection of your factory machinery. Simply create your route tree and take the measurements regularly.

RUN UP



Similar to Analyzer mode where you can setup any measurement which you like. Run Up allows you to control the saving of data for example as soon as possible, by speed change, time change etc.

RECORDER

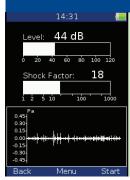




Recorder mode "records" the raw signal from the sensor (it means raw signal from the machine.) This allows you to make a post processing of the signal later on your PC.

ULTRASOUND





Measurement of sound unhearable for human ear — ultrasound. Typical application is air leak detection, electrical arcing or early bearing fault detection.