



# A4900 - Vibrio M

Vibration meter and Data collector



# Adash

... Your best partner for vibration diagnostics



# A4900 Vibrio M - Data collector unbeatable in price/performance ratio



The A4900 - Vibrio M instrument allows you to perform all basic vibro-diagnostics measurements such as bearing condition, identification of mechanical faults and lubrication assessment.

The A4900 - Vibrio M is equipped with 4MB memory for data storage. Data memory allows you to perform off-route and route measurements. New professional software DDS 2014 for Vibrio M can be downloaded from Adash website free of charge.

Expert system for automatic machine fault detection is included.

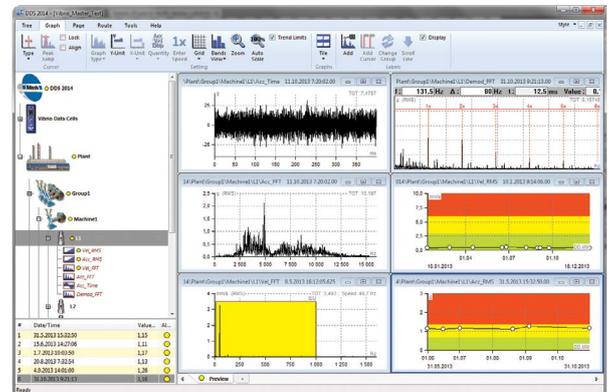
- Quality sensor
- Solid coiled cable
- Strong magnetic base



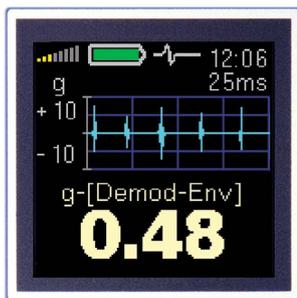
Basic measurements:

- ISO value [mm/s, ips]
- Bearing value [g]
- ISO 10816-3 included

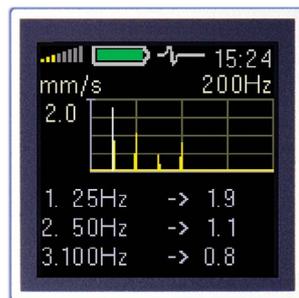
Automatic speed detection



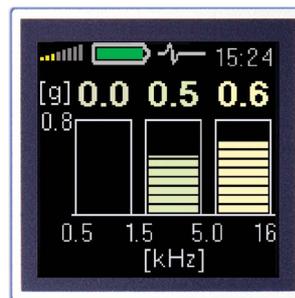
new DDS 2014 software



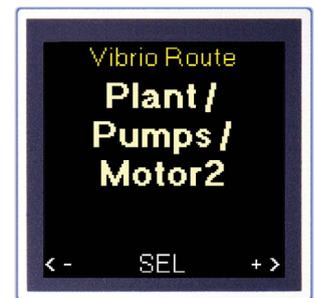
Time signals



FFT Spectrum



Bearing bands



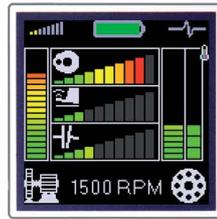
Route measurement

## Evaluate measured data right on site

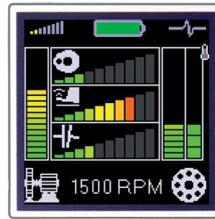
Machine OK



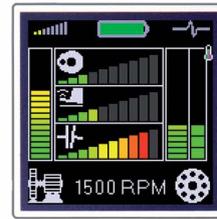
Expert system



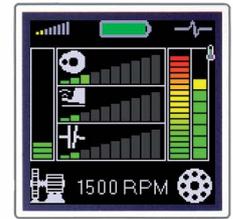
Unbalance



Looseness



Misalignment



Bearing faults

Top panel:

- ACC ICP® - sensor input
- IR non-contact temperature sensor
- LED stroboscope
- Stethoscope output - 3,5 mm jack
- Micro USB for data transfer



Simple to use:

- Three buttons operation
- All functions are predefined
- Expert functions for faults detection
- Colour graphic display

Industrial design:

- Heavy-Duty aluminium case
- 2AA rechargeable or AA alkaline
- 8 hours operation



## Adash 4900 – Vibrio M Technical Specifications:

Input:	1x ICP® powered accelerometer	Data storing (option):	Off-Route Route with DDS 2014 software for Vibrio M (free download)
Input range:	60g PEAK with standard 100mV/g sensor (e.g. 600g PEAK for 10mV/g sensor, the sensitivity is editable in the unit)	Interface:	USB 2.0 compatible
Measurements:	Velocity RMS 10 - 1 000 Hz [mm/s, ips]	Software:	DDS 2014 software for Vibrio M (free download)
	Velocity Peak 10 - 1 000 Hz [mm/s, ips]	Display:	colour graphic OLED display 128 x 128 pixels, diagonal 1,5" (38mm)
	Acceleration RMS 500 - 16 000 Hz [g]	Output:	1x AC signal 8 Ω / 0,5 W for external headphones (signal listening)
	Acceleration Peak 500 - 16 000 Hz [g]	Power:	2x AA 1.5V batteries (alkaline, NiMH, Lithium - 8 hours operation)
	Velocity time 1 - 1 000 Hz [mm/s, ips] 2048 samples *	Temp:	Operating: -5°C to 55°C
	Velocity spectrum 1 - 1 000 Hz [mm/s, ips] 800 lines	Dimensions:	150 x 60 x 35 mm
Acceleration time 1 - 16 000 Hz [g] 2048 samples *	Weight:	330 g including batteries (without cable, sensor and magnet) 540 g including batteries, cable, sensor and magnet	
Acceleration spectrum 1 - 16 000 Hz [g] 800 lines *			
Acceleration Demod-Envelope RMS 500 - 16 000 Hz [g]	Accessories:	vibration sensor, coiled cable to connect vibration sensor, magnetic base for vibration sensor, headphones with 3.5 mm jack, USB cable, measuring tip for manual pressure on the sensor, transport case, CD with the manual	
Acceleration Demod-Envelope Peak 500 - 16 000 Hz [g] *			
Acceleration Demod-Envelope time 500 - 16 000 Hz [g] 2048 samples			
Acceleration Demod-Envelope spectrum 500 - 16 000 Hz [g] 800 lines, range 400 Hz *			
Displacement RMS 2 - 100 Hz [µm, mil]	Further functions:	LED stroboscope (0,17 - 300 Hz, 10 - 18 000 RPM) LED torch, non-contact temperature measurement vibration stethoscope	
Displacement 0 - Peak 2 - 100 Hz [µm, mil]			
Displacement Peak - Peak 2 - 100 Hz [µm, mil]			
Temperature non-contact measurement 0 - 380°C (32 - 716°F)	Memory:	4 MB for data 900 measurements of 800 lines spectra or 2048 samples time signals may be stored	

\* Available in DDS2014 software for Vibrio M



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