



A3716

On-line monitoring system



Adash

... Your best partner for vibration diagnostics



A3716 On-line monitoring system

The A3716 is powerful online monitoring and diagnostics system for strategic rotating machinery. The A3716 system can operate as an independent monitoring system or it can be used as extension of an existing protection system.

Each A3716 module contains 16 AC, 16 DC and 4 TACHO inputs. All channels are measured simultaneously. Single A3716 modules can be easily composed together and by this we can create widely-channels system.



Real time data viewer A3760



A3716-3U:

- 16 channels AC
- 16 channels DC
- 4 independent TACHO inputs
- 16 BNC outputs of signals from sensors
- 16 programmable relays outputs
- 16 programmable 4-20 mA outputs



A3716-2U:

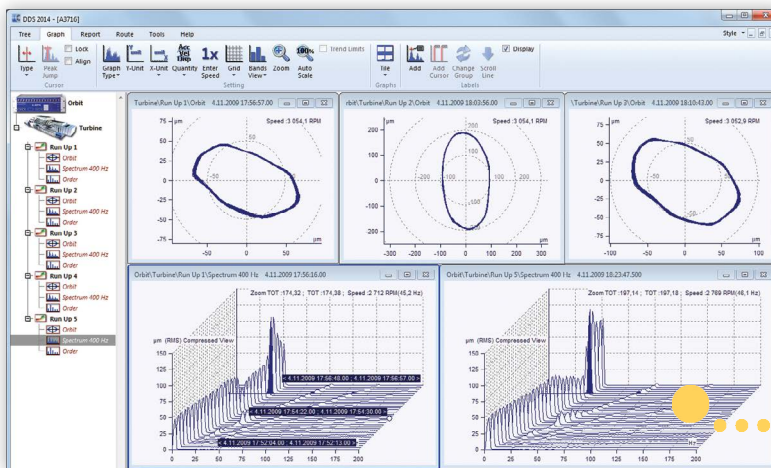
- 16 channels AC
- 16 channels DC
- 4 independent TACHO inputs



● Example of use of 3 pieces of
● A3716 2U on-line monitoring
● system on site



● View from the back
● - connection of units



● DDS 2014 software

The A3750 software is designed for control of collection and archiving of data and allows to easily configure required measurements.

Software A3760 is designed for real time data viewing in control rooms.

The DDS 2014 software is designed for the following analysing and archiving of all collected data.

● Check the condition of your
● machines continuously



Adash 3716 Technical Specifications:

Input channels AC:	<ul style="list-style-type: none"> • 16 AC, ICP® power supply on/off • input impedance 100kΩ • integration single, double • high pass filter 1 Hz - 12800 Hz • low pass filter 25 Hz - 25600 Hz 	Data acquisition:	<ul style="list-style-type: none"> • Overall values • Time signals • FFT real time analysis • DEMOD - ENVELOPE analysis • ACMT - low speed bearing analysis • order analysis • user band pass analysis • RPM measurement • DC measurement • Orbit measurement • Speed measurement
Input channels DC:	<ul style="list-style-type: none"> • 16 DC for process values • input impedance 100 kΩ (VDC), 250 Ω (mADC) 		
TACHO inputs:	<ul style="list-style-type: none"> • 4 independent TACHO for external trigger • speed range 0,8 Hz - 1000 Hz 		
Input range:	<ul style="list-style-type: none"> • AC +/- 12 V peak-peak • DC +/- 24 V or 4 - 20 mA • TACHO +10V 	Signal Recorder:	<ul style="list-style-type: none"> • 64 kHz sampling frequency • 4 Ch memory consumption 3 GB/hour • 4 Ch total recording - 35 hours
AD conversion:	<ul style="list-style-type: none"> • 24 bit, 64 bit double floating point internal signal processing • No AutoGain function! 	Trigger:	<ul style="list-style-type: none"> • free run, TACHO, external (voltage)
Dynamic range S/N:	<ul style="list-style-type: none"> • 120 dB 	Communication:	<ul style="list-style-type: none"> • Ethernet 1GB RJ45
Frequency ranges:	<ul style="list-style-type: none"> • max. 25,6 kHz (16 Ch, 65,5 kHz sampling) 	Temperature range:	<ul style="list-style-type: none"> • -10°C to +50°C
Sampling mode:	<ul style="list-style-type: none"> • fully simultaneous for 16 channels 	Power:	<ul style="list-style-type: none"> • AC 110 - 240 V, 45 - 65 Hz
FFT resolution:	<ul style="list-style-type: none"> • min. 100 lines • max. 25600 lines 	Case:	<ul style="list-style-type: none"> • 19" aluminium rack
Processor:	<ul style="list-style-type: none"> • Intel Core2 - 2.5 GHz 	Size & Weight (2U):	<ul style="list-style-type: none"> • 430 x 360 x 90 mm • 4,7 kg
Memory RAM:	<ul style="list-style-type: none"> • 4 GB 	Size & Weight (3U):	<ul style="list-style-type: none"> • 430 x 360 x 135 mm • 6,2 kg
Internal data disc:	<ul style="list-style-type: none"> • SSD 128GB 		



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