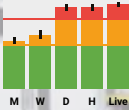


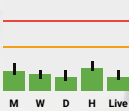


MASTER THE LANGUAGE OF YOUR MACHINERY

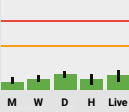
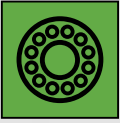
Looseness



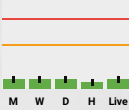
Unbalance



Bearing



Misalignment



Monitor

machine failures
and their severity



Online Monitoring Expert
Guard Application



Online Monitoring Expert Guard Application

ONLINE VIBRATION MONITORING

Easier as never before

AUTOMATIC MACHINERY SURVEILLANCE

No knowledge needed, expert system does everything for you

Omega system is the expert who gives you information about failures on your machines and their severity. If you do not have a vibration diagnostics department, then Omega gives you the great opportunity to know the condition of your machines. But it can also be a good assistant for your diagnostics guys.

WHAT DO YOU NEED TO USE OMEGA?

It is simple, you just need Adash online system A3716 or A3800 with Omega OPC server and Omega application for project setting.

A3716

16 channels online vibration monitoring system packed in industrial 19" rack. All 16 channels are measured fully simultaneously.



A3800

Compact size, scalable 4-16 channels online vibration monitoring system.



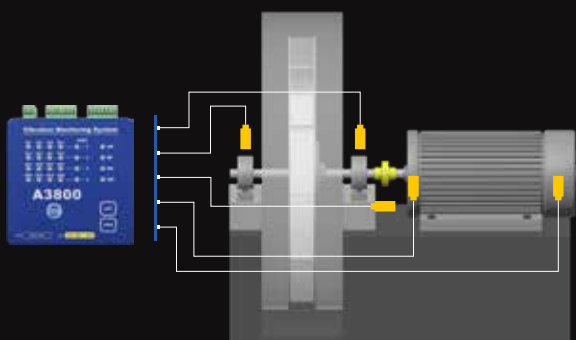
OMEGA SOFTWARE FROM ADASH

Just create machinery layout of your factory.

Connect the sensors to appropriate measurement points and pair them with A3800 or A3716 online monitoring system and you are ready to monitor your machines 24/7.

THE BASIC MACHINE

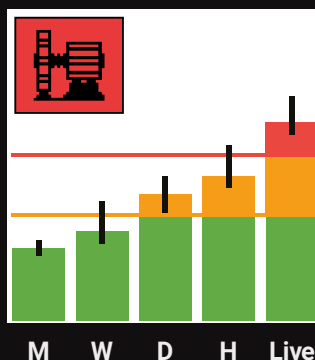
The basic machine measurement setup is 5 accelerometers, 4 in radial and 1 in axial direction.



THE BASIC GRAPH

This is the basic graph with machine condition information. The ISO 20816 is used for limit values, but user can set his own limit values.

■ DANGER ■ WARNING ■ GOOD



The basic information is the trend of failure progress.

Live - actual value
H - last hour average value
D - last day average value
W - last week average value
M - last month average value

FAILURE TYPES

The failure severity graph is displayed for these failure types:



UNBALANCE



MISALIGNMENT



LOOSENESS

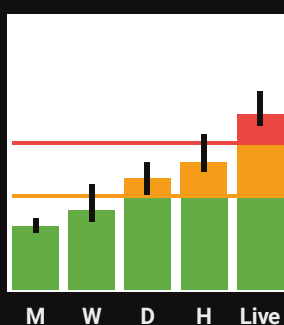


BEARING CONDITION



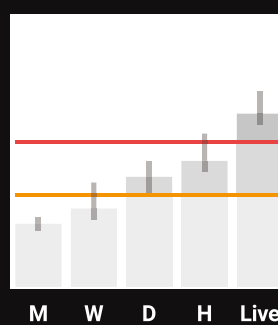
OTHER (UNKNOWN SOURCE)

SEVERITY TREND



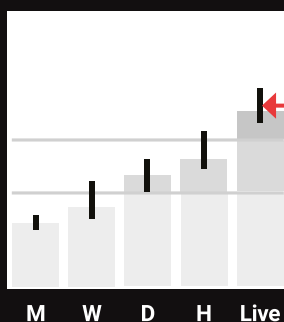
THIS IS UNBALANCE SEVERITY TREND

What do we see on it?



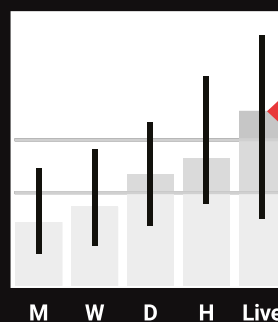
UNBALANCE LIMITS

You can see the limit values for warning and danger. The default limits are set according to ISO 20816 part 3. You can set your own user limits.



UNBALANCE MIN/MAX

You can see the vertical black lines. It displays maximum and minimum value, reached in every time interval M, W, D, H. Short line means stable values.



UNBALANCE UNSTABLE

Long lines means unstable fluctuating values.



Online Monitoring Expert Guard Application



Omega is created especially for factory control rooms where people monitors machinery pressures, temperatures and other process parameters. Along with these parameters you can display info about mechanical condition of you machines. Omega detects most common machinery faults and displays live and trend values in colour bar indicators.

For more details contact your distributor or directly Adash.
You can call us: **+420 596 232 670**, visit www.adash.com
or send email to support@adash.cz. We are ready to help you.

Adash

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MASTER THE LANGUAGE OF YOUR MACHINERY

