MASTER THE LANGUAGE OF YOUR MACHINERY

Adash

Looseness

Unbalance

Bearing

Misalignment

Monitor
machine potential failures
and their severity

OMEGA

Online Monitoring Expert
Guard Application

Online Monitoring Expert
Guard Application

OMEGA

ONLINE VIBRATION MONITORING
Easier as never before

AUTOMATIC MACHINERY SURVEILLANCE
No knowledge needed, expert system does everything for you

Omega system is the expert which gives you information about significant issues on your machines and their severity. If you do not have vibration diagnostics department, then Omega gives you the great opportunity to know condition of your machines. But it can also be 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 a 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.
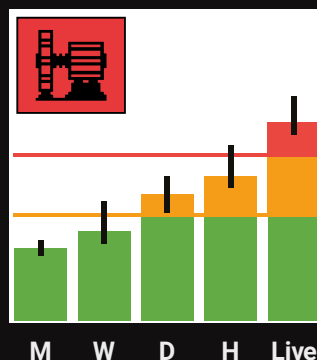
THE BASIC MACHINE

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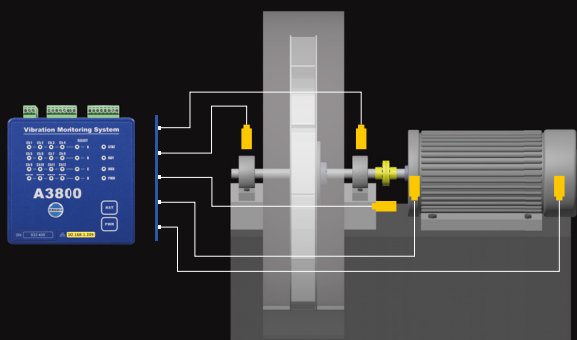
THE BASIC GRAPH

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

M **W** **D** **H** **Live**

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
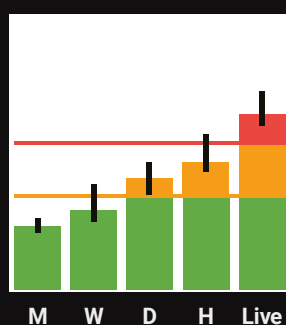these failure types:

UNBALANCE
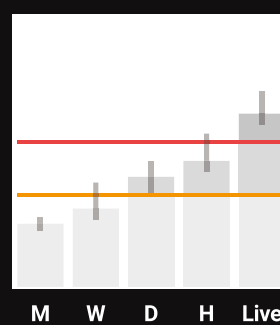
MISALIGNMENT

LOOSENESS
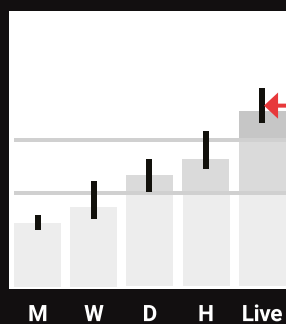
BEARING
CONDITION

OTHER (UNKNOWN
SOURCE)

SEVERITY TREND

M **W** **D** **H** **Live**

THIS IS
THE UNBALANCE
SEVERITY TREND

What do we see on it?
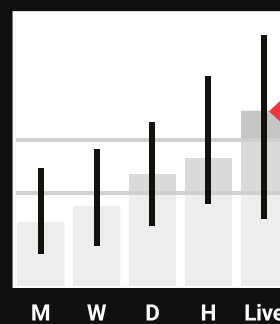

M **W** **D** **H** **Live**

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.

M **W** **D** **H** **Live**

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.

M **W** **D** **H** **Live**

UNBALANCE
UNSTABLE

Long lines means
unstable fluctuating
values.

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

For more details contact your distributor or Adash directly.
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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