

VDS Diagnostics

Types of Diagnostics

Auto-diagnosis tools

- Machine builder
- Forcing Orders
- Machine Speed
- Baselines (Averages)

Auto diagnostic features come from the machine class. Machine class holds information such as machine elements (mechanical parts) forcing orders, speed/RPM and data collection points. Information on machine class construction can be found here: [VDS Machine Builder](#)

Alarms

Alarms are a tool directly tied to a measurement entry, the rms and crest factor values are manually set for the entry

The screenshot shows the 'Measurement Entry' dialog box with the 'Alarm' tab selected. The dialog has four tabs: 'Orientation', 'Parameter', 'Alarm', and 'Data'. The 'Alarm' tab contains the following elements:

- Pick from the Alarm Library:** A section with a text box and a button labeled 'Pick from the Alarm Library'.
- Link to the Alarm Library:** A section with a text box and a checkbox labeled 'Link to Parameter Library'.
- Alarm Setup:** A section with two columns of settings.
 - Signal Level:** A dropdown menu set to 'rms'.
 - Crest Factor:** A dropdown menu set to 'RMS'.
 - Unit:** A dropdown menu set to 'm/s'.
 - Alarm Setup Table:** A table with three columns: 'In Alarm', 'Alarm', and 'Danger'. The rows are 'Radial', 'Axial', and 'Tangential'. Each cell contains a text input field.
- Save these setting in the Alarm Library:** A button labeled 'Save the Setup'.
- Make default for this point:** A checkbox.
- Buttons:** 'Ok' and 'Cancel' buttons at the bottom.

Fixed Thresholds

Fixed thresholds

Diagnosis

Report

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