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**WATS Feature Release Note**  
**Step details – workbench and step chart**



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## Workbench

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The Workbench View in Step Details is a powerful tool for in-depth analysis of measurement data. It offers the flexibility to view measurements either as individual data points or aggregated by periods, making it easier to identify patterns and trends. The interface comes with a feature-rich toolbar and a series selector designed to enhance data interaction and interpretation.

### Toolbar

The toolbar provides a variety of tools to manipulate and analyse the chart effectively:

- Display all measurements as individual datapoints.
- Aggregate measurements by time intervals with multiple granularity options.
- Visualize the distribution of measurement values in the frequency chart.
- Group data by selected dimensions for better comparison.
- List measurements by index or exact time.
- Arrange chart items by measurement or group categories.
- Adjust zoom orientation and perform quick zoom actions.
- Experiment with hypothetical limit thresholds.
- Filter out measurements outside specific value range.
- Modify axis formats and scaling.
- Adjust graphic properties as linewidth and visibility of point markers.
- Save chart as image or copy directly to clipboard for sharing.

### Side menu

The side menu comes with a series selector that simplifies chart management by grouping series logically.

- Highlight key data series.
- Downplay less relevant data.
- Hide or display series to focus on what matters most.



## Step chart

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The **Step chart** view builds on the functionality of the legacy Step Details chart, offering enhanced tools for chart data analysis. This new view is suited to analyse chart data for multiple steps simultaneously and is optimized to handle large quantities of data efficiently.

### Chart types

- **Aggregated Chart:**
  - Aggregates data points by their x-value and displays minimum, average, maximum, and standard deviation for each point.
  - Designed for big data analysis, minimizing performance impact.
- **Individuals Chart:**
  - Displays all data points for all plots.
  - Includes mark-line series for minimum, average, maximum, and standard deviation values

### Additional toolbar options

- Zoom orientation controls and quick zoom functionality.
- Batch loading of reports to ensure optimal performance and a seamless user experience.

### Side menu

- **Plot Selector:**
  - Easily show, hide, or highlight series grouped by step name and/or plot name.
- **Unit Selector:**
  - Show, hide, or highlight plots based on serial numbers.