Online Help
Maritime Suite

MARlogger

Endress+Hauser

Described product

Product name: Maritime Suite
                  MARlogger

Manufacturer

Endress+Hauser SICK GmbH+Co. KG
Bergener Ring 27
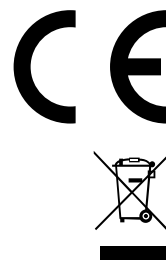01458 Ottendorf-Okrilla
Deutschland

Legal information

Original document

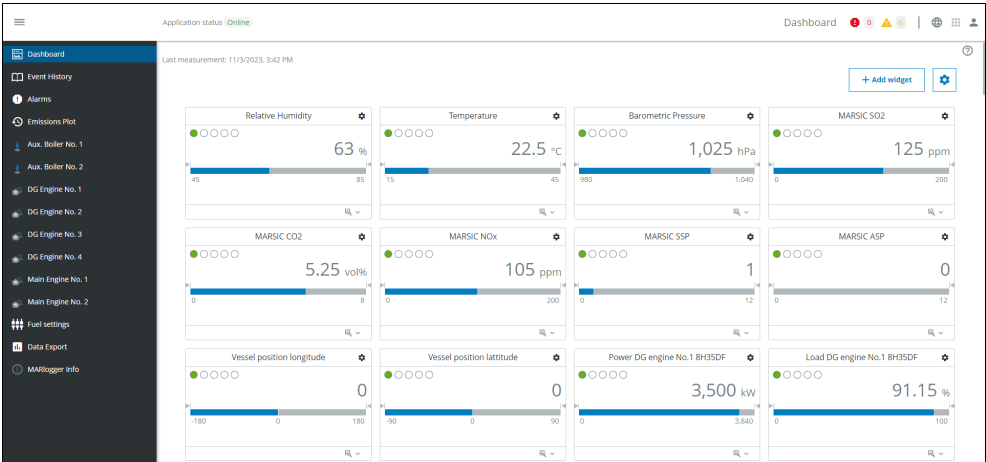This document is an original document of Endress+Hauser SICK GmbH+Co. KG.

Contents

1   Dashboard

1.1   Introduction

Overview

The dashboard uses a traffic light system to show whether the emission limits are being met. The calculated MARpems output parameters can also be displayed.

The dashboard displays the most important parameters by default. You can freely configure the dashboard in a user-specific way to monitor the parameters that are most important to you.

Application status

The dashboard shows the status of the software either as online or offline.

Offline	• The software is offline and partially booted up. • **No** live data from the customer system is processed. • The data shown corresponds to the status when the software was **last** online.
Online	• The software is online and booted up. • Live data from the customer system is processed.

Display status input and output parameters

The status of all parameters is shown according to NAMUR NE-107. This status is based on the sensor status of the customer system and internal validation checks by the software.

🟢〇〇〇〇	OK
〇🔵〇〇〇	Maintenance required
〇〇🟡〇〇	Out of specification
〇〇〇🟠〇	Check function
〇〇〇〇🔴	Failure

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Functions

- Adding or deleting parameters
- Viewing, saving and downloading the parameter history
- Configuring the dashboard

1.2 Customizing the dashboard

1.2.1 Add widget

Overview

The dashboard is configured with widgets for parameters by default. Widgets can be added or existing ones deleted as desired.

Procedure

1. Select [**+Add widget**].
✓ The **Add widget** window opens.
2. On the **Parameter** tab: Select Parameter and click [**Next**].
✓ The **Types** tab opens.
3. Select type and click [**Next**].
✓ The **Configuration** tab opens.
4. Optional: Enter an alternative name in the **Title** field.
5. Optional: Select or deselect **Tag**, **Status**, **Unit** as input parameter.
6. Click [**Finish**].
✓ The configured widget is shown on the dashboard.

Further topics

- Delete widget

1.2.2 Delete widget

Overview

The dashboard is configured with widgets for parameters by default. Widgets can be added or existing ones deleted as desired.

Prerequisites

- The dashboard is open.

Procedure

1. Click ⚙ in the widget at the top right.
2. Select **Delete widget** in the dropdown menu.
✓ The widget is removed from the dashboard.

Further topics

- Add widget

1.2.3 Organize dashboard

Procedure

1. Click ⚙ at the top right.
2. Select **Organize dashboard** in the dropdown menu.
✓ Edit mode opens (background gray and dashed). The cursor changes to cross-hairs.
3. Position the widget at a different place by clicking and dragging.

4. Click [**Save Dashboard**] to save change. OR:
5. Click [×] to discard change.
✓ The new arrangement appears and edit mode closes.

1.3 Working with widgets

1.3.1 Displaying history of individual parameters

Overview

The history of **one** parameter can be easily and quickly displayed via the **Quick Chart View**. Alternatively, the history of **several** parameters can be displayed via the **Chart View**.

[v]	Open Quick Chart View
	Open Chart View

Procedure

View history via Quick Chart View
1. In the widget: Click [v] at the bottom right.
✓ The Quick Chart View is displayed below.
2. Select period: Select the corresponding entry in the Menu bar.
3. Display exact values: Drag the cursor over the diagram.
4. Click [v] again to close the Quick Chart View.

Further topics

- Viewing, saving and downloading history of several parameters

1.3.2 Viewing, saving and downloading history of several parameters

Overview

The history of **several** parameters can be displayed via the **Chart View**. It can be downloaded as a graphic, PDF file or Excel file (csv).

	Open Chart View
	Download graphic
	Download PDF file
	Download Excel file

Procedure
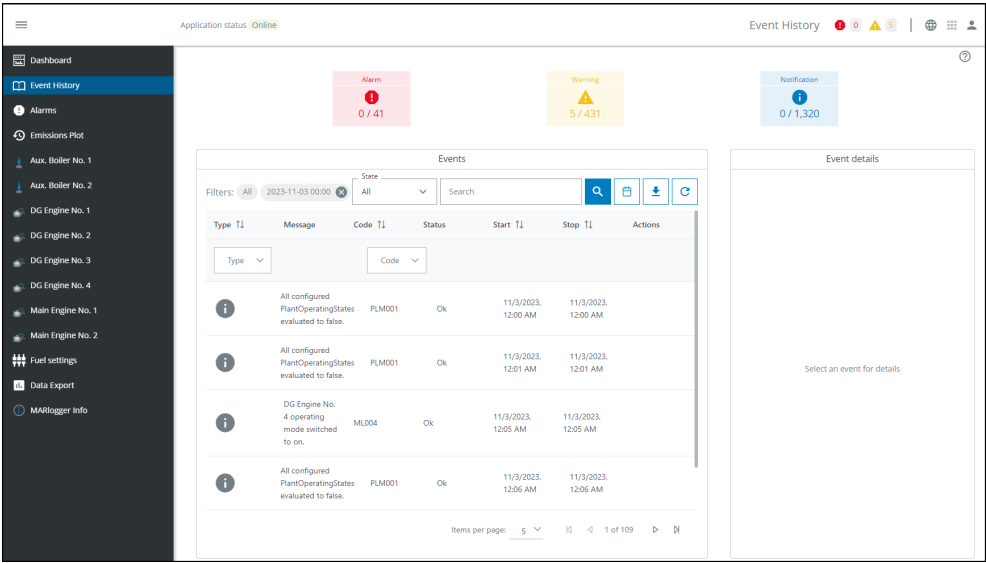
1. In the widget: Click at the bottom right.
✓ Window with overview opens.
2. Select parameters: In the right bar at the bottom: Place a check mark next to the variable.
✓ Parameter appears in the field above.
3. Select period: Select the corresponding entry in the Menu bar.
4. Save and download view in the desired format using the corresponding buttons.
✓ File name appears in the bar below.

5. Show file by clicking on the dropdown icon **Open** or display **in the folder.**

Further topics

- Displaying history of individual parameters

2 Event History

2.1 Introduction

Overview

The **Event History** provides you with all information about alarms, warnings and notifications. These events can be edited directly.

Functions

- Display of all alarms, warnings and notifications
- Acknowledging alarms
- Search function
- Choice of different filtering and sorting options
- Viewing, updating and exporting event details
- Writing and saving comments on events

Complementary information

Alarms can also be commented and acknowledged in the **Alarms** menu.

2.2 Working with the Event History

2.2.1 Search for events

Overview

Events can be searched for using search fields and with the help of filtering and sorting options.

- Search: Via free text or period
- Filtering: Via Status (active/inactive), Type (alarm, warning, notification) or Code (customer-specific)
- Sort: Via Type, Code, Start, Stop

Procedure

What?	How?
Search for free text	Use [**Search**] ; start with 🔍

What?	How?
Define period	Use 🔘
Search for active or inactive events	Use [**Status**] filter
Search for alarm, warning or notification	Use [**Type**] filter
Search for customer-specific code	Use [**Code**] filter
Sort results	Use [↑↓]

2.2.2 Edit events

Overview

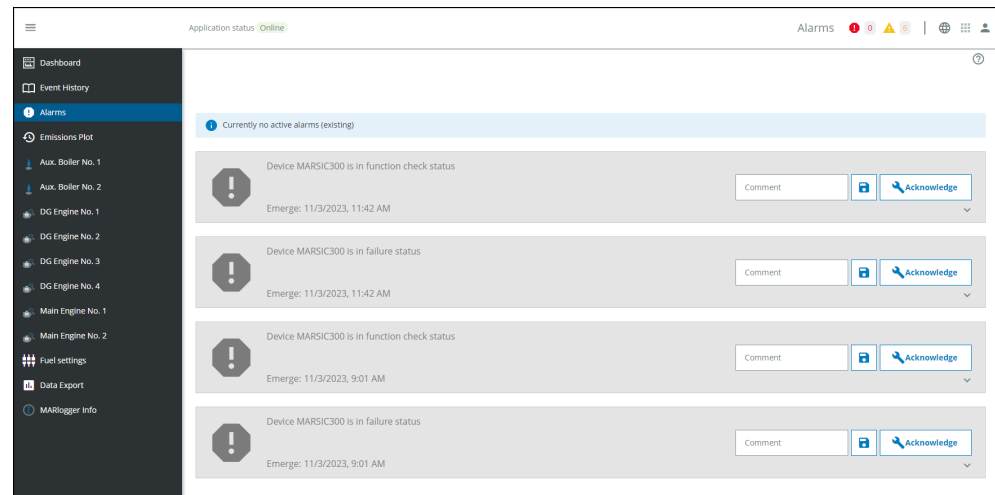In the event overview you can view details, write comments and confirm alarms.

Procedure

1. Show details: Click on an event in the Event List.
✓ The field on the right displays the details.
2. Enter **Comment** as free text and save.
3. Acknowledge alarm by clicking [**Acknowledge**].
4. Click 🔼 to download the current Event List.

Complementary information

Alarms can also be commented and acknowledged in the **Alarms** menu.

3 Alarms

3.1 Introduction

Overview

The **Alarms** page shows you all active (red) and inactive (gray) alarms. Alarms must be acknowledged.

Important information

> **!** **NOTICE**
> If the cause of an alarm is not corrected, the software will no longer function correctly.
> - Acknowledge alarm.
> - Technically eliminate the cause of the alarm.

Functions

- Acknowledging alarms
- Writing and saving comments on every alarm
- Showing event details

Complementary information

Alarms can also be commented and acknowledged in the **Event History** menu.

3.2 Commenting and acknowledging alarms

Overview

Alarms must be acknowledged. Details can be displayed. Comments can be written and saved.

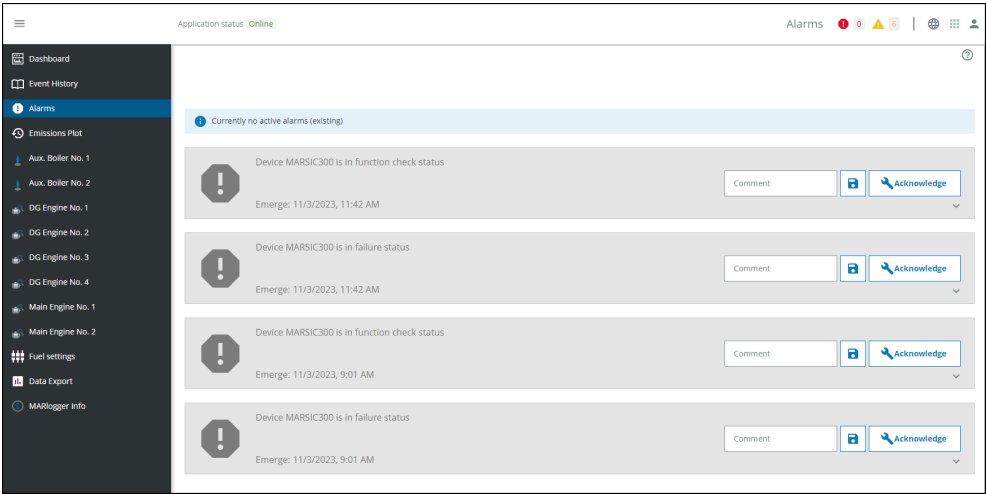### Important information

> **!** **NOTICE**
> If the cause of an alarm is not corrected, the software will no longer function correctly.
> - Acknowledge alarm.
> - Technically eliminate the cause of the alarm.

Procedure

1. View details by expanding the alarm.
2. Enter comment in the [**Comment**] field and save.
3. Acknowledge alarm by clicking [**Acknowledge**].

4 Emissions plot

4.1 Introduction

Overview

The **Emissions plot** page provides information about the calculated mass flows and the total amounts of emissions. The graphical representation gives you the opportunity to look closely at short- and long-term changes in emission rates over a certain period of time.

Functions

	Pause live data
	Enlarge graphical representation
	Reduce graphical representation
	Back to the initial representation

Further topics

• System component emissions

5 System component emissions

5.1 Working with emission data

Overview

Emissions can be displayed individually for each system component connected to the CEMS. The emissions of the different components, the mass flows and fuel type can be variably displayed or hidden.

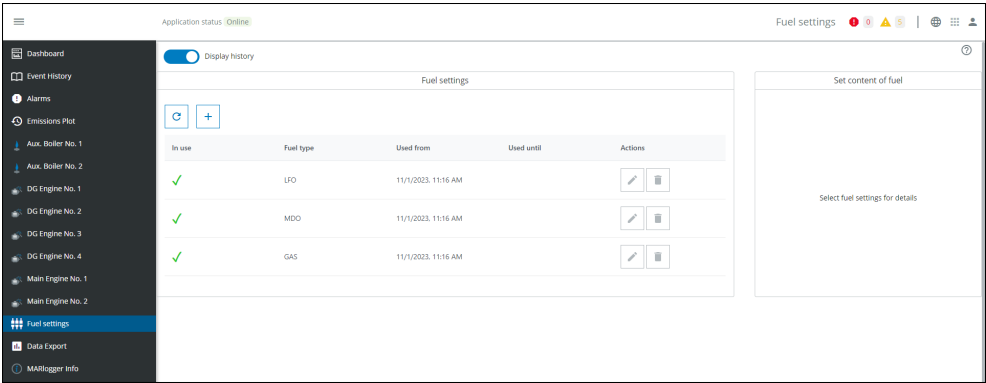|	
	Pause live data
	Enlarge graphical representation
	Reduce graphical representation
	Back to the initial representation
	Show/hide data

Procedure

1. Click on the corresponding system component in the menu bar on the left.
✓ Data for the respective system component are displayed (boiler status, overviews, emission diagram).
2. To show or hide a component: Click next to the component.

Further topics

- Emissions plot

6 Fuel settings

6.1 Introduction

Overview

This page provides information about the fuels used for various system components that are necessary for calculating the mass flows. On this page, you **must manually enter** the fuels used.

Important information

> ⚠ **NOTICE**
> If the fuel used is not maintained, the mass flow cannot be calculated correctly.
>
> • Maintain fuels used and their components.

Functions

• Add, edit, delete fuels
• Edit fuel components
• Show history

6.2 Edit fuel settings

Overview

This page provides information about the fuels used for various system components that are necessary for calculating the mass flows. On this page, you **must manually enter** the fuels used.

Important information

> ⚠ **NOTICE**
> If the fuel used is not maintained, the mass flow cannot be calculated correctly.
>
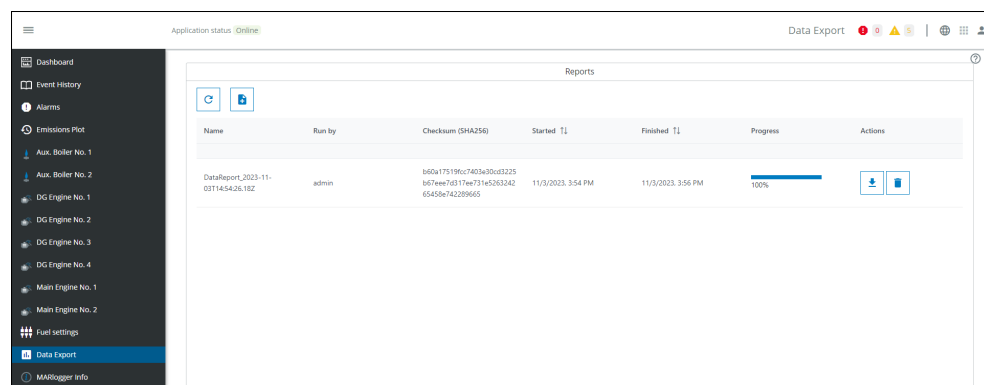> • Maintain fuels used and their components.

Procedure

What?	How?
Add fuel	Use [+]
Edit fuel	Use ✏ Enter components in the window on the right.

What?	How?
Delete fuel	Use ▣
Activate history	Use ⬤━ at the top left

7 Data Export

7.1 Introduction

Overview

Via **Data export** you can create and manage various reports based on templates.

Functions

- Generating data reports (input parameters, MARpems output parameters)
- Downloading and deleting reports
- Updating and sorting the overview list

Complementary information

Compliance reports can be created via the **Report** menu.

7.2 Generate data reports
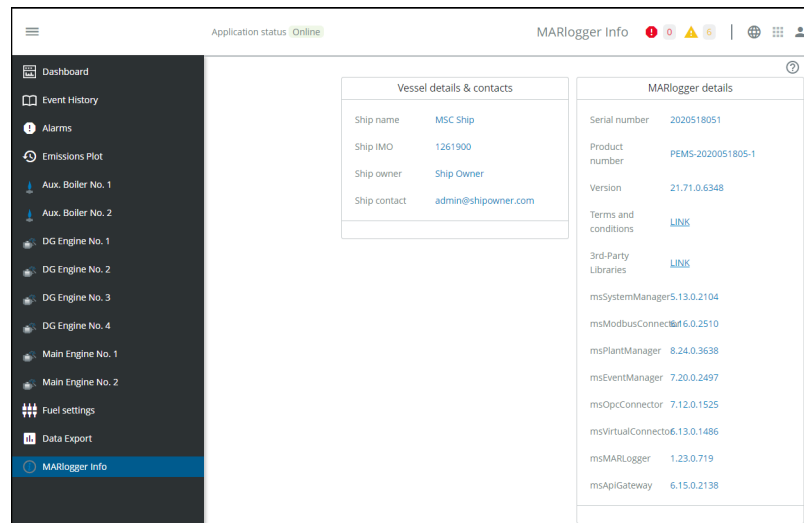
Procedure

1. Top left: Click [icon].
   ✓ The **Generate report** window opens.
2. Select report template and click [**Next**].
   ✓ The **Settings** tab opens.
3. Specify period and click [**Finish**].
   ✓ Report appears in the overview.
4. Download report with [icon] or delete with [icon].

Complementary information

A checksum is calculated by the system for the creation of each data report. The algorithm used is SHA256.

Users can calculate their own checksum after downloading to ensure the integrity of the data report. For this purpose, a comparison of the two checksums can be performed. Both checksums must be identical.

8 MARlogger information

8.1 Introduction

Overview

Via **MARlogger Information** you can find all details about the vessel and the installed MARlogger software.

Functions

Display of information about:
- Vessel details and contacts
- MARlogger details

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