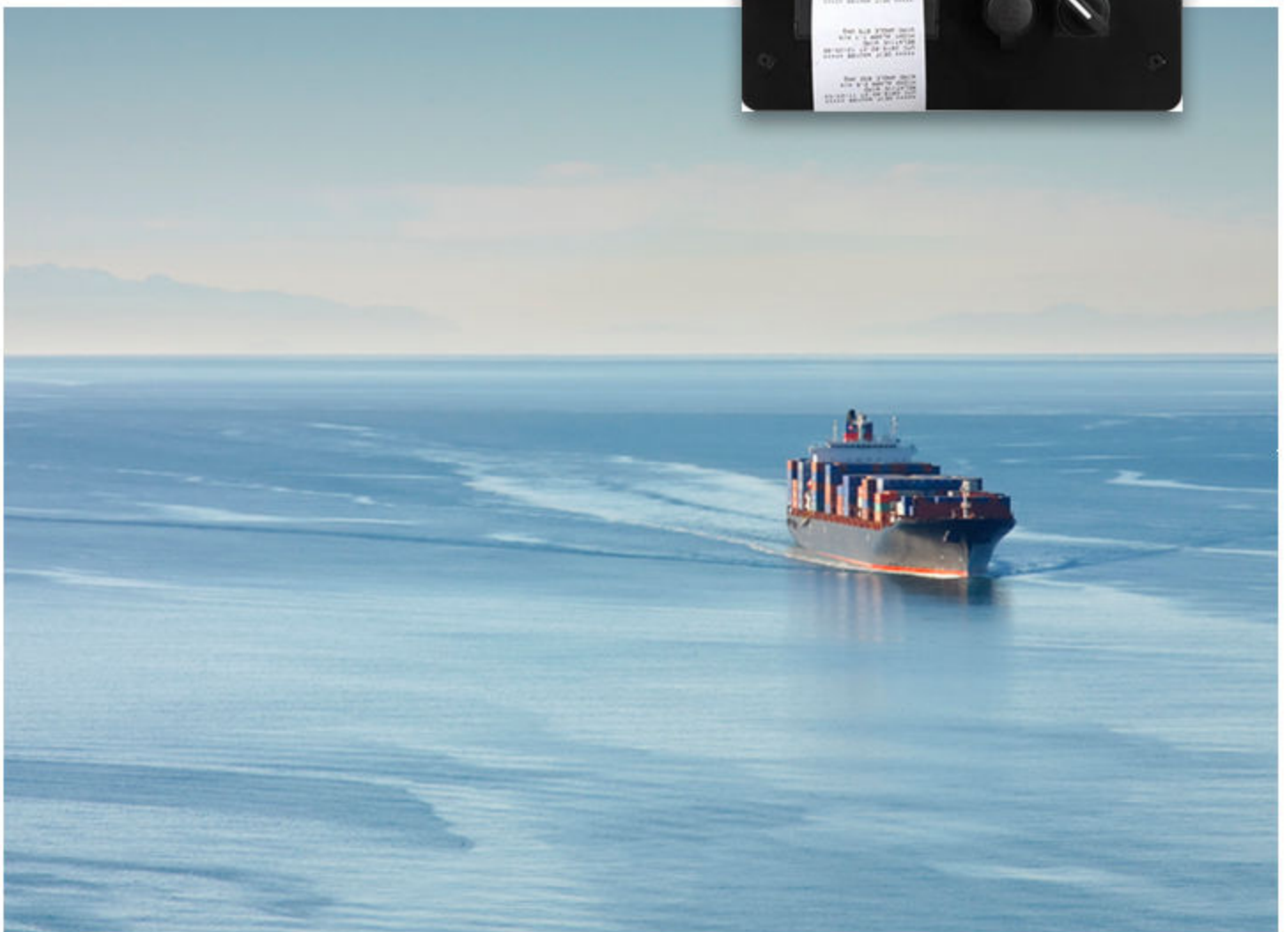


WAU 100

Wind Alarm Unit

Data sheet



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1. Product description

1.1 WAU 100

Wind Alarm Unit (WAU) 100 is a wind level monitoring system. It is placed in the cargo control room for monitoring wind levels during operation while in port. Connected with a wind sensor the WAU 100 complies with the Exxon Mobil requirement. Wind level can be recorded and alarms can be configured for required limits. When alarm limits are exceeded, alarms for each limit are activated.

Operate the WAU 100 using the touch screen and buttons, to acknowledge the wind alarms if present.

Wind alarms can be logged on a USB storage device via the mini USB. Analyse the logs later by importing them into an excel sheet.

Print wind alarms when they occur with the integrated printer. Printout includes UTC time, wind speed, and the alarm activated.

WAU 100 unit



2. Technical specifications

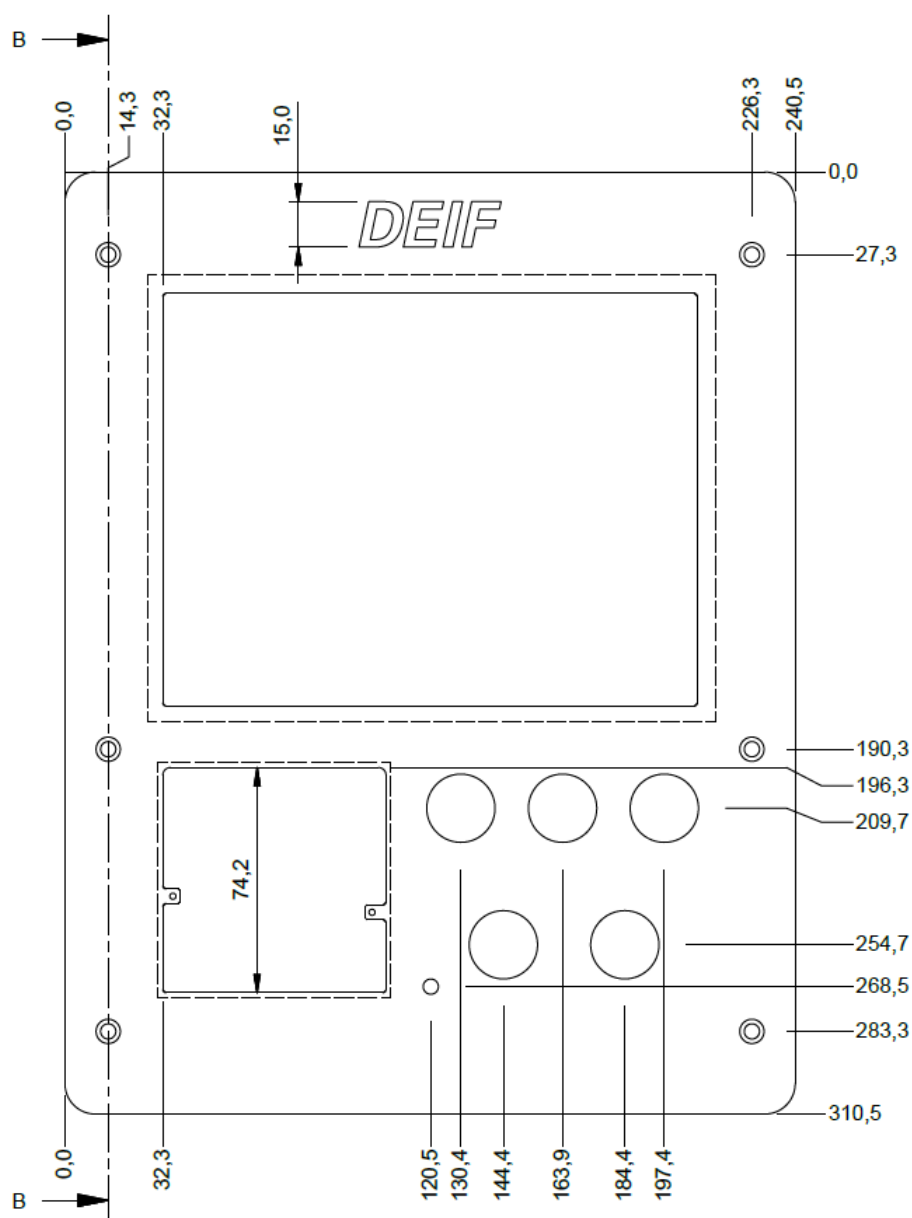
2.1 General specifications

	Notes
Inputs	<ul style="list-style-type: none">Power supply<ul style="list-style-type: none">24 V DC (18.0 to 31.2 V DC)Power consumption: Maximum 0.5 ANMEA input 1<ul style="list-style-type: none">Input for wind speed and directionRequired sentence: \$MWV, NMEA 0183NMEA input 2<ul style="list-style-type: none">Input for timeRequired sentence \$ZDA, default or \$RMC has to be selected in settings, NMEA0183
Display	<ul style="list-style-type: none">Touch screen for settingsDEIF AGI 407
Outputs	<ul style="list-style-type: none">Relay 1<ul style="list-style-type: none">Relay type: PR1-RSC3-LDP-24DC/2X21AUActivates when the first level of wind speed is exceededCan be used to drive an external horn or lampContact rating: 0.2 A over 110 V DC, 2A over 120 V ACRelay 2<ul style="list-style-type: none">Relay type: PR1-RSC3-LDP-24DC/2X21AUActivates when the first level of wind speed is exceededCan be used to drive an external horn or lampContact rating: 0.2 A over 110 V DC, 2A over 120 V AC
Push-buttons	<ul style="list-style-type: none">Push-button for mute of High 1 alarmPush-button for mute of High 2 alarm
Printer	<ul style="list-style-type: none">Thermal printerPaper rolls: 57 mm width, 31 mm diameterPrints alarm(s) when present
Data logging	<ul style="list-style-type: none">USB 2.x32 GB
Operating temperature	<ul style="list-style-type: none">0 to 50 °C
Power button	<ul style="list-style-type: none">Turn ON/OFF the system

2.2 Hardware specifications

	Notes
Size	<ul style="list-style-type: none">Dimensions (Length x Height x Depth)L 240.5 mm x H 310.5 mm x D 260 mm
Mounting	<ul style="list-style-type: none">Mounting box: 4 screws, 1 in each cornerFront plate: 6 screws into mounting box
Weight	<ul style="list-style-type: none">6 kg

WAU 100 dimensions *



* All dimensions shown in millimetres (mm).

3. Ordering information

3.1 Ordering

3.1.1 Product information

WAU 100 is sold as a project solution. Contact your local sales representative for information about ordering the WAU 100.

3.1.2 List of technical documentation for WAU 100

Document	Contents
Data sheet	<ul style="list-style-type: none">• System description• Technical specifications• Ordering information
Installation instructions	<ul style="list-style-type: none">• Mounting• Default wiring for the controller
Operator's manual	<ul style="list-style-type: none">• Unit push-buttons and LEDs• Operating the unit• Alarms and log• Using the unit• Troubleshooting

3.1.3 Disclaimer

DEIF A/S reserves the right to change any of the contents of this document without prior notice.

The English version of this document always contains the most recent and up-to-date information about the product. DEIF does not take responsibility for the accuracy of translations, and translations might not be updated at the same time as the English document. If there is a discrepancy, the English version prevails.

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