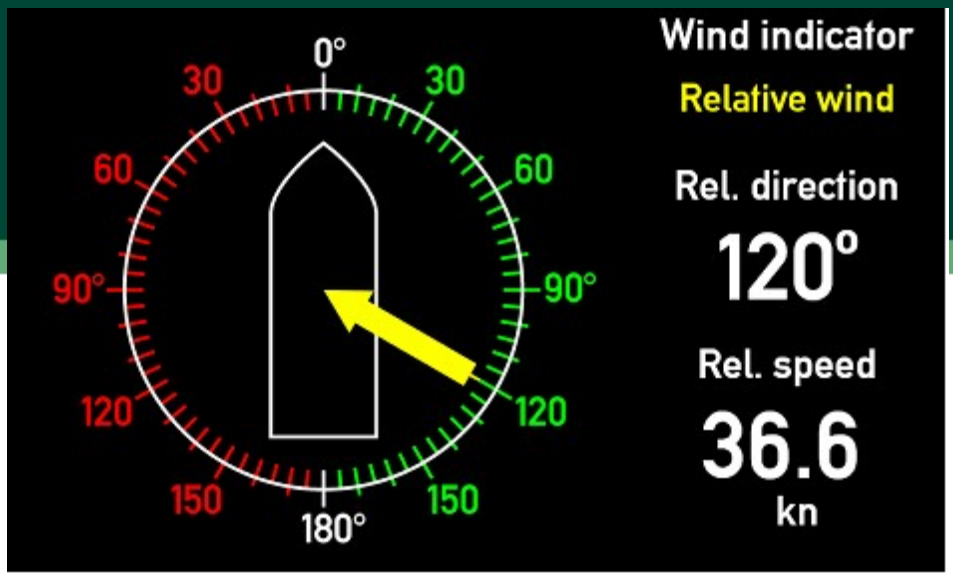
XDi 144/192 Navi

Standard wind indicators



Library owner: DEIF STANDARD WIND

Library number: 1

Library version: 2009

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Library description :
This library contains a selection of standard wind indicators for relative, true and geographic true wind. Relevant indicators are available for both forward bridge and aft bridge applications. True and geographic true wind speed and direction can be calculated by the XDi, just select a VS profile with a wind calculator. VS input profiles for NMEA data (IEC 61162-1) or XDi-net data is available for each virtual indicator. AUTOMATED NMEA SETUP When finalizing the XDi setup wizard, use the NMEA auto scan function to detect available sources and make a fast automated setup of the IEC61162-1 NMEA interface. Make sure that all devices sourcing NMEA data to XDi are connected and active. In case of multiple data sources, a manual source selection from the list of available input source will be needed. WIND SENSOR OFFSET AND FILTERS The wind direction can be offset from the installation menu. Enter the NMEA manual setup menu. In the NMEA config list open Wind direction R1 and insert the offset value in degrees x10 (4.0 deg = 40). In the same menu it is also possible to change the average filtering of wind speed and direction received as NMEA data.

Library status symbols :	
	Released & Locked
	Approved
	Pending
	Draft
	Not approved

Timestamp 03-05-2024 11:46:19

Library Specification

Library owner no. :	000002
Library owner name :	DEIF STANDARD WIND
Product type :	XDi 144/192
Performance class :	Navi
Library number :	1
Library name :	Standard wind indicators
Library orientation :	Landscape
Library status :	Released & Locked
Library version :	2009
Last changed :	11-01-2024 11:09:56

Library default settings :

180 display rotation :	False
CAN NodeID :	30

Library notes :

20-12-2023 / ATH, ver 2009: This update adds wind data fallback functionality on VI001-VI009. It is adde as last VS on each VI.
PPs are also updated to take wind speed 2 and wind direction 2 on NMEA.
VI10 and VI11 have not been working. They are fixed in this update.

07-04-2020 / JOL, ver.2008: This update support the new display colour adjust function located in the USER NEMU. This function makes it possible to adjust XDi displays to look the same.

04-03-2020 / MLA, ver.2007: Added VI010-11 with alarm output on relative and true wind speed
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11-07-2018/MLA, ver.2006: VI-9 added.

Product profiles (PP)

Default settings of product and system related parameters, as dimmer and CANbus settings are stored in a product profile.

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PP No.	PP Name	Description	Status	Notes
1	PP01 Front dimmer	**Dimmer from front** Dimmer from front buttons Default: Dimmer group 1. Auto day/night at 70% Send and receive dimmer on XDi-net Supported NMEA sentences: Dimmer(Gr.1-6): DDC (no colour shift) Wind: MWV, MWD, Speed: VHW, VBW, VTG, RMC, Heading: HMR, THS, HTD, VHW, HDT, HDG, MagVar; HMR, RMC, HDG Shares selected NMEA data on XDi-net		In an XDi-net system any XDi in a group can control the groups dimmer level when it uses this product profile.
2	PP02 XDi-net	**Dimmer via XDi-net** Dimmer from XDi-net Default: Dimmer group 1. Auto day/night at 70% Supported NMEA sentences: No NMEA dimmer support Wind: MWV, MWD, Speed: VHW, VBW, VTG, RMC, Heading: HMR, THS, HTD, VHW, HDT, HDG, MagVar; HMR, RMC, HDG Shares selected NMEA data on XDi-net		This profile is used in a XDi-net system where the dimmer of this XDi is controlled by an XDi with AX1 analogue dimmer control shared on XDi-net. Or in other situations where you want dimmer to be controlled via XDi-net.
3	PP03 Front dimmer	**Local Dimmer** Dimmer from front buttons Default: Dimmer group: Local Auto day/night at 70% Supported NMEA sentences: Dimmer(Local): DDC (no colour shift) Wind: MWV, MWD, Speed: VHW, VBW, VTG, RMC, Heading: HMR, THS, HTD, VHW, HDT, HDG, MagVar; HMR, RMC, HDG Shares selected NMEA data on XDi-net		This profile is used where only the XDi itself is controlled by the front buttons. You can control this unit via an NMEA input. The dimmer setting is not shared on XDi-net.

PP No.	PP Name	Description	Status	Notes
4	PP04 Analogue	**Analogue dimmer** Required: AX1 in Slot 1 Default: Dimmer gr. 1 - Auto Day/Night Dimmer potmeter (+ term 3, - term 1, wiper term 2) Dimmer shared on XDi-net Can be reconfigured to voltage input Supported NMEA sentences: No NMEA dimmer support Wind: MWV, MWD, Speed: VHW, VBW, VTG, RMC, Heading: HMR, THS, HTD, VHW, HDT, HDG, MagVar; HMR, RMC, HDG Shares selected NMEA data on XDi-net		Analogue input for groupe dimmer control and automatic DAY/Night shift. This profile controls dimmer gr.1 in a XDi-net system. Only one XDi with AX1 dimmer for each dimmer groupe.
5	PP05 NMEA	**NMEA/XDi-net dimmer** Separate Dimmer and Day/Night shift via NMEA and/or XDi-net Default: Dimmer group 1. Supported NMEA sentences: Dimmer and Day/Night shift (Gr.1-6): DDC Wind: MWV, MWD, Speed: VHW, VBW, VTG, RMC, Heading: HMR, THS, HTD, VHW, HDT, HDG, MagVar; HMR, RMC, HDG Shares selected NMEA data on XDi-net		NMEA DDC can control dimmer and colour in group 1 to 6 and share it on XDi-net. If the XDi is not controlled by its NMEA input it will receive dimmer value and colour via XDi-net. Use this profile to make XDi-net system with NMEA dimmer and Day/Night control.

Virtual Indicators (VI)

The VI contains the graphical layout of and indicator and defines all data types that are presented on the indicator.

Each VI has at least one VI-setup profile (VS) that defines the input types and default parameter settings.

Timestamp **03-05-2024 11:46:19**

VI No.	Name	VI-setup profiles (VS)	Approvals	Status
001	Wind FWD R	3		
002	Wind Aft R	3		
003	Wind R,T	4		
004	Wind Aft R,T	4		
005	Wind R,T,GT	4		
006	Wind Aft R,T,GT	4		
007	Wind R,T,GT	4		
008	Wind Aft R,T,GT	4		
009	Wind GT	3		
010	Wind FWD R	2		
011	Wind FWD R,T	3		

Approvals only apply for XDi 192.

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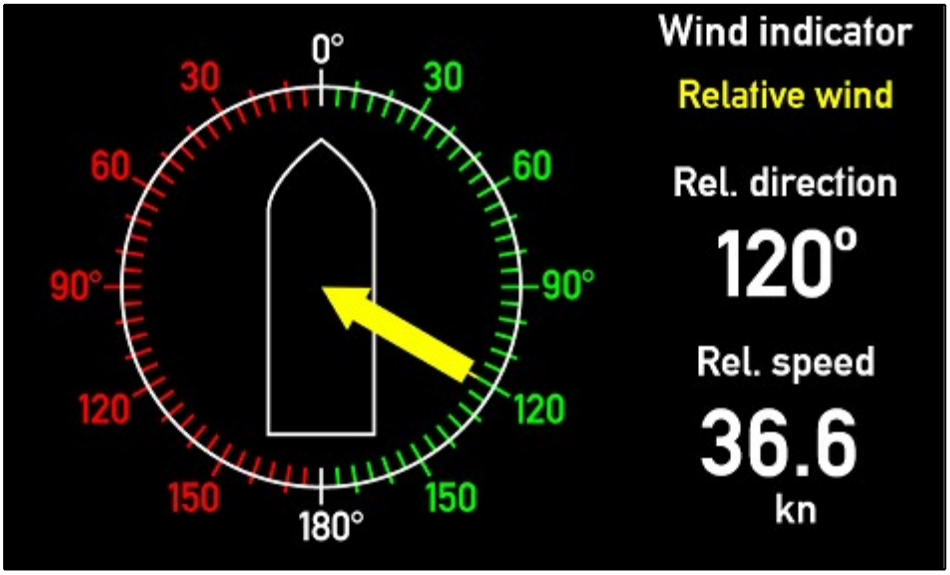
VI 001	**Wind FWD R**
Screen 1	**S1 Rel. wind**



Description : **Wind indicator FWD, Relative**

Presents relative wind speed and direction
Replacement for WSDI-2 standard

Wind direction and wind speed (max 150 m/s)
One selectable headline and selectable speed unit

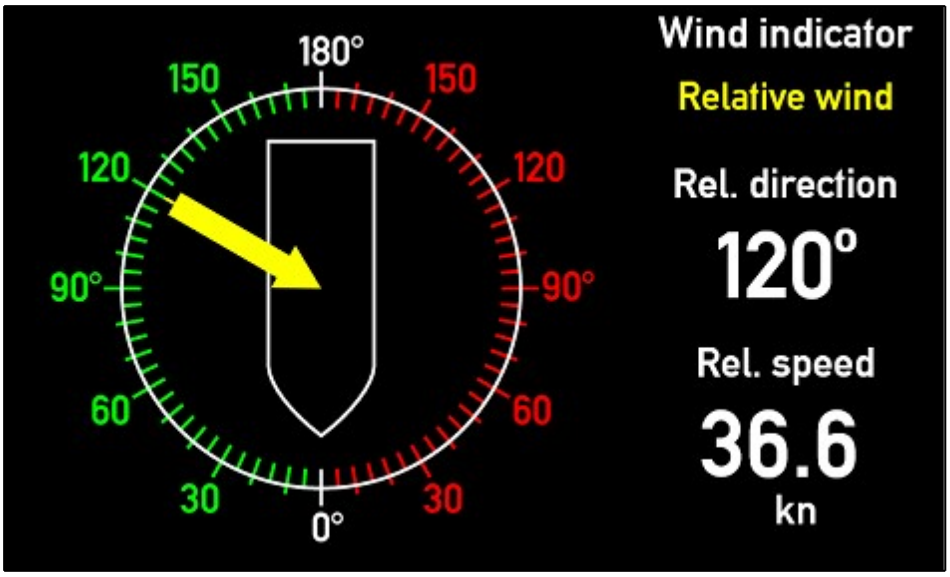
Status :

VI Notes :

VI-setup profiles (VS) for VI001

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind Output are selected and activated from menu !		
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA FB	**NMEA0183 w Fallback** As VS 02 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

VI 002	**Wind Aft R**
Screen 1	**S1 Rel. wind**



Description : **Wind indicator AFT, Relative**

Presents relative wind speed and direction
Replacement for WSDI-2 standard

Wind direction and wind speed (max 150 m/s)
One selectable headline and selectable speed unit

Status :

VI Notes :

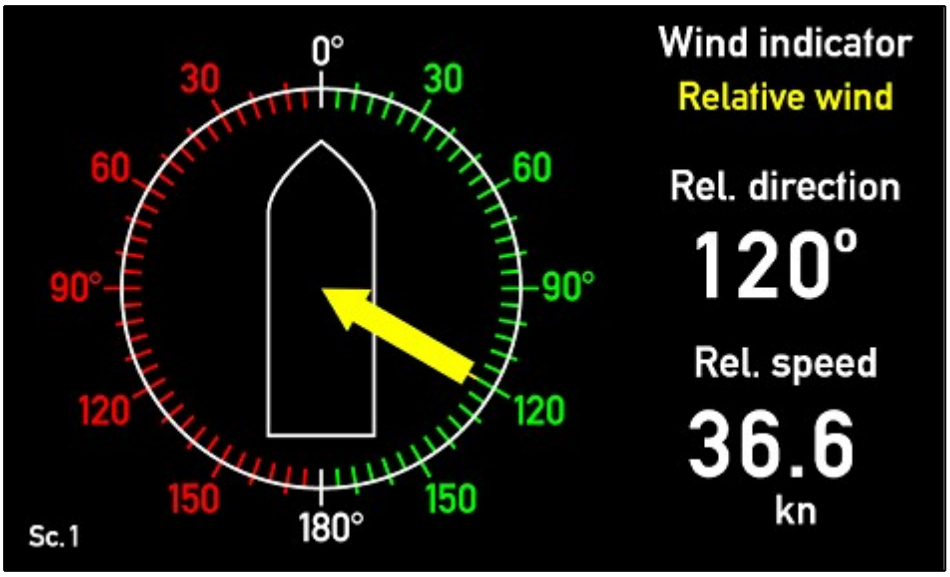
VI-setup profiles (VS) for VI002

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind Output are selected and activated from menu !		

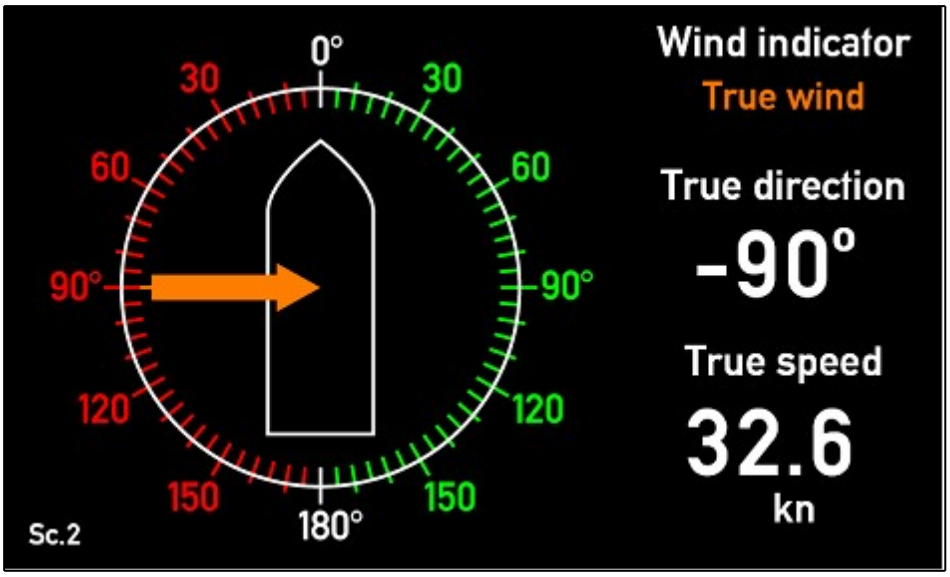
VI-setup profiles (VS) for VI002

VS No.	Name	Description	Status	Notes
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA FB	**NMEA0183 w Fallback** As VS 02 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

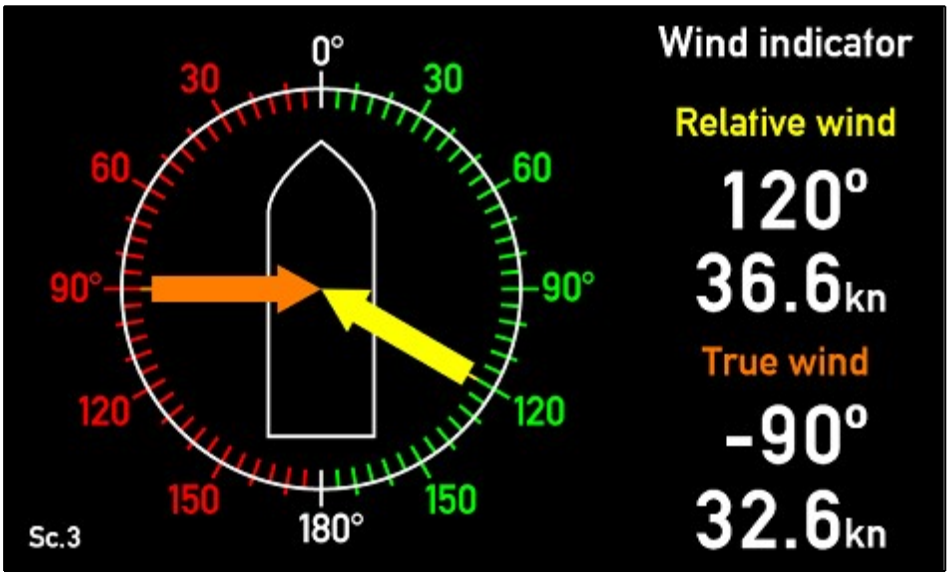
VI 003	Wind R,T
Screen 1	S1 Rel. wind



Screen 2	S2 True wind



Screen 3 **S3 Rel+True wind**



Description : **Wind indic. FWD, 3 screen**

Relative and True true wind rel. to ship
Replacement for WSDI-2 with NCI-1 box

Wind direction and wind speed (max 150 m/s)
One selectable headline for all screens
Selectable speed unit

Status :

VI Notes : This virtual indicator has 3 screens to toggle between using the left push-button on front.
Unit can be shifted using the quick menu using the right push-button,
select another unit profile or edit the profile to match your needs.

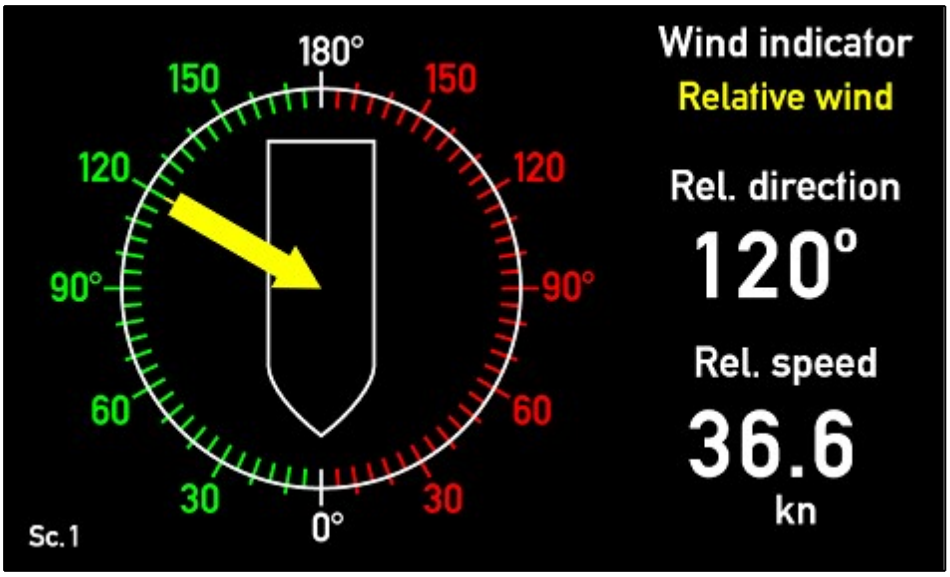
VI-setup profiles (VS) for VI003

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind and True wind rel. ship Output are selected and activated from menu !		

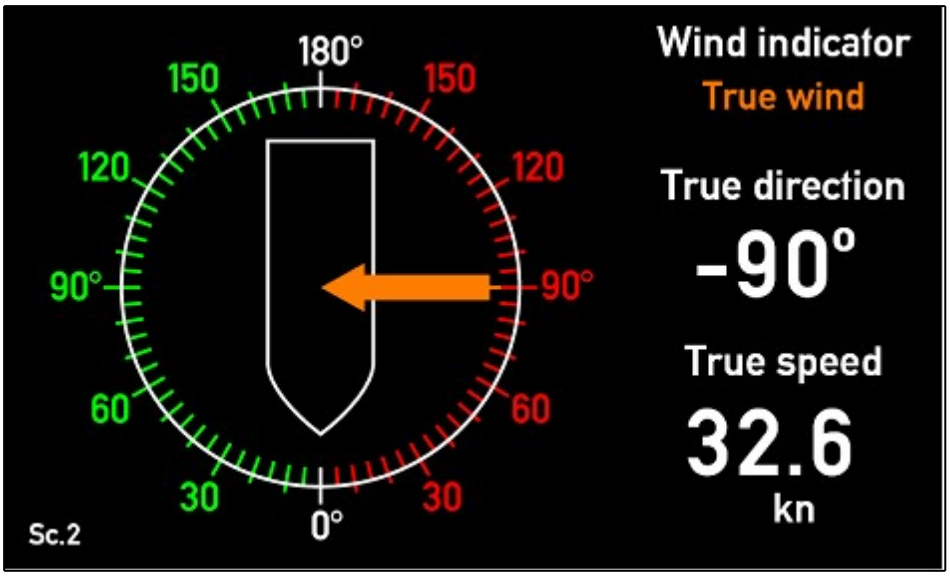
VI-setup profiles (VS) for VI003

VS No.	Name	Description	Status	Notes
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True wind relative to ship at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind and True wind (repeated) Must be activated from menu. Note: Wind direction is corrected for sensor offset.	🔒	
3	VS03 NMEA 2	**NMEA0183 - Calculate** NX2 extension module is required on Slot 2. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed at input S2.1 or S2.3 is used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 : Relative wind and True wind rel. ship Must be activated from menu. Note: Wind direction is corrected for sensor offset.	🔒	
4	VS04 NMEA FB	**NMEA0183 - Calculate w Fallback** As VS 03 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu	🔒	Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

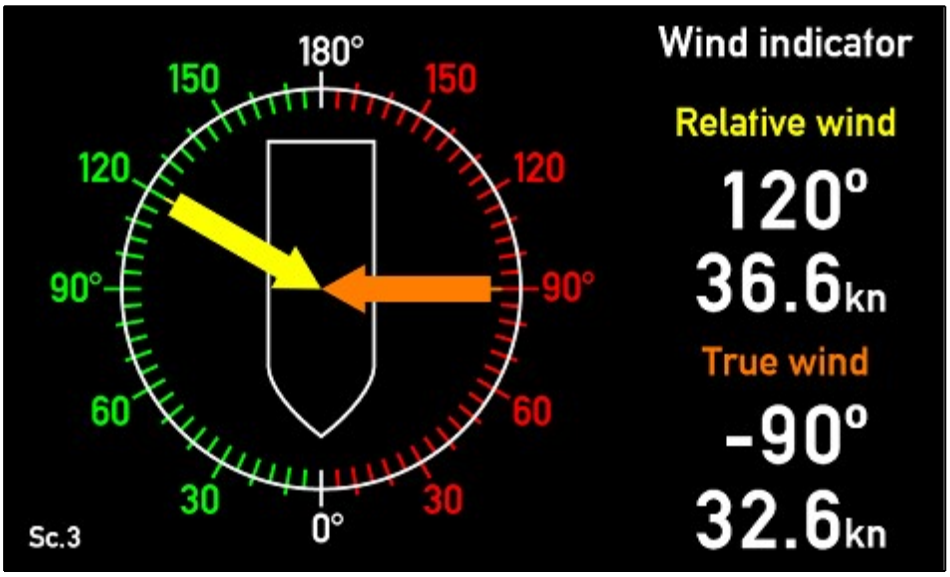
VI 004	Wind Aft R,T
Screen 1	S1 Rel. wind



Screen 2	S2 True wind



Screen 3 **S3 Rel+True wind**



Description : **Wind indic. AFT, 3 screen**

Relative and True true wind rel. to ship
Replacement for WSDI-2 with NCI-1 box

Wind direction and wind speed (max 150 m/s)
One selectable headline for all screens
Selectable speed unit

Status :

VI Notes : This virtual indicator has 3 screens to toggle between using the left push-button on front.
Unit can be shifted using the quick menu using the right push-button,
select another unit profile or edit the profile to match your needs.

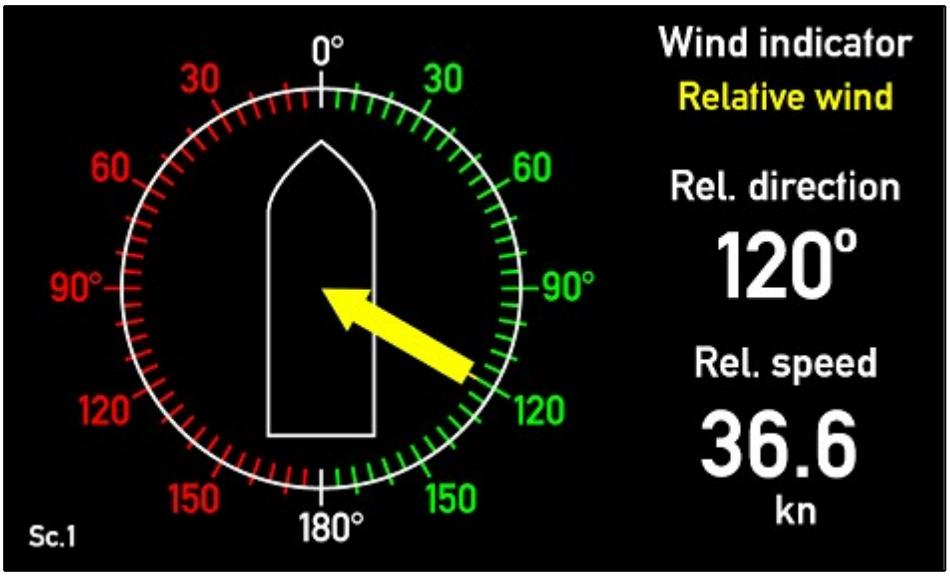
VI-setup profiles (VS) for VI004

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind and True wind rel. ship Output are selected and activated from menu !		

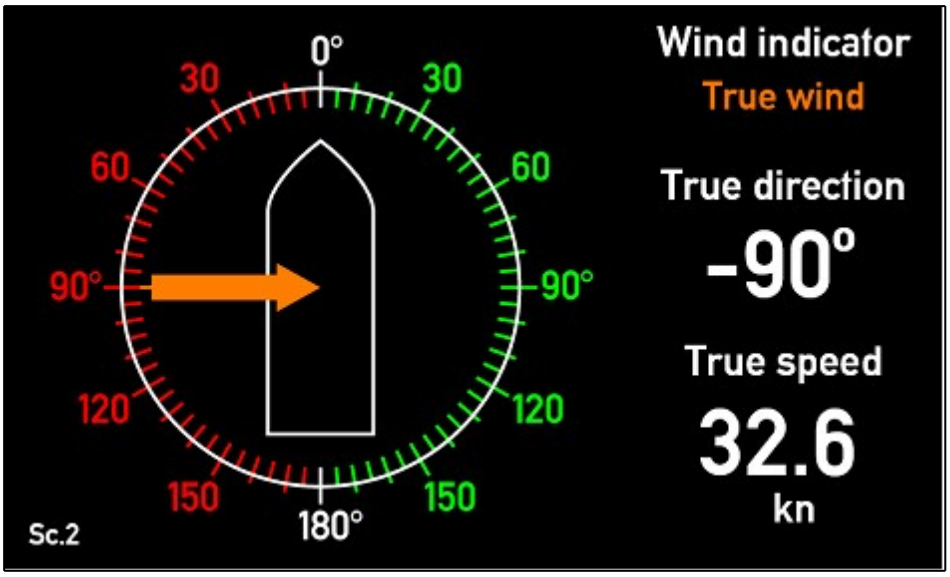
VI-setup profiles (VS) for VI004

VS No.	Name	Description	Status	Notes
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True wind relative to ship at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind and True wind (repeated) Must be activated from menu. Note: Wind direction is corrected for sensor offset.	🔒	
3	VS03 NMEA 2	**NMEA0183 - Calculate** NX2 extension module is required on Slot 2. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed at input S2.1 or S2.3 is used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 : Relative wind and True wind rel. ship Must be activated from menu. Note: Wind direction is corrected for sensor offset.	🔒	
4	VS04 NMEA FB	**NMEA0183 - Calculate w Fallback** As VS 03 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu	🔒	Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

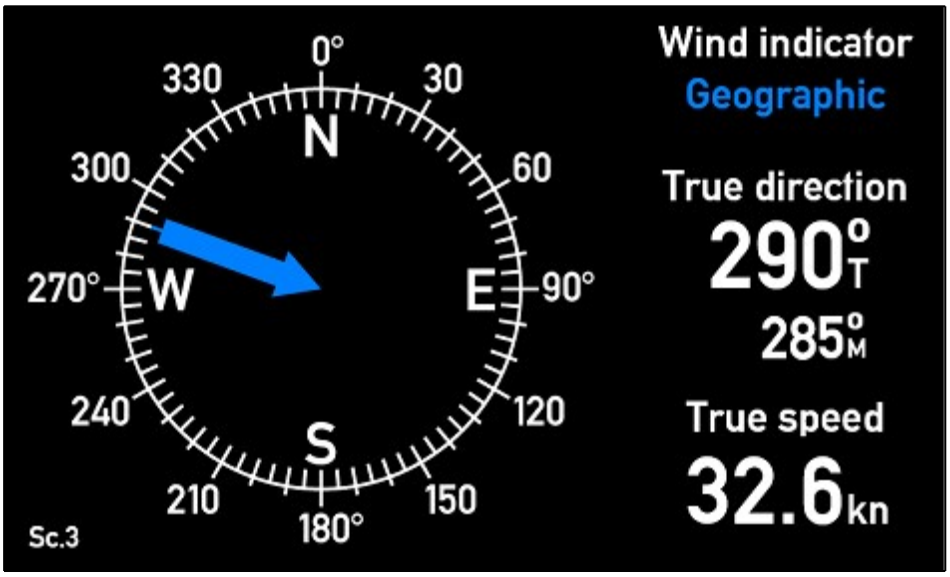
VI 005	Wind R,T,GT
Screen 1	S1 Rel. wind



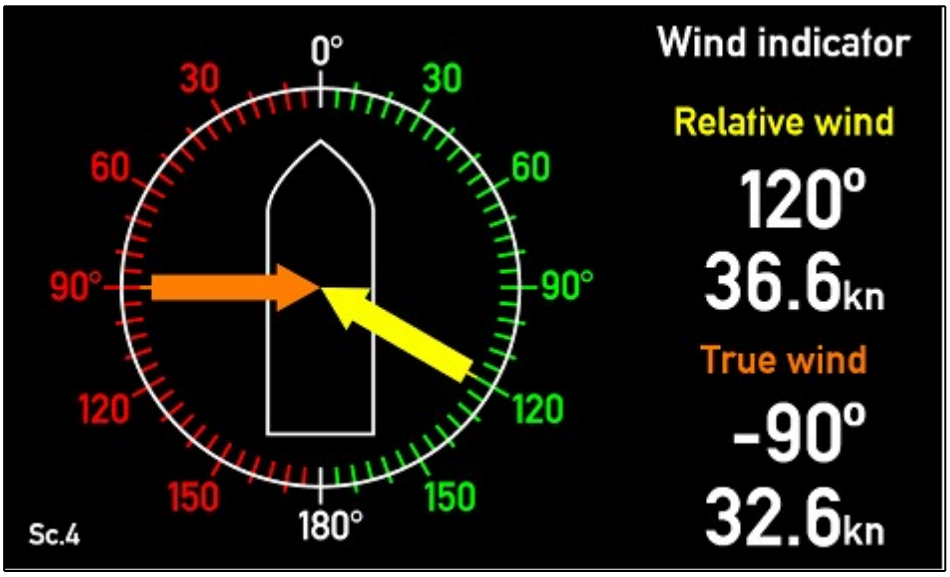
Screen 2	S2 True wind



Screen 3 **S3 Geo wind**



Screen 4 **S4 Rel+True wind**



Description : **Wind indic. FWD, 4 screen**

Relative, True and Geo. true wind.
Geo wind relative to Magn. and True N
Wind direction and wind speed (max 150 m/s)
One selectable headline for all screens
Selectable speed unit

Status :

VI Notes : This virtual indicator has 4 screens to toggle between using the left push-button on front.
Unit can be shifted using the quick menu using the right push-button,
select another unit profile or edit the profile to match your needs.

On screen 3 the wind direction is presented relative to both Magnetic north and True North
If you only want wind relative to true north please select VI007(Fwd) or VI008(Aft)

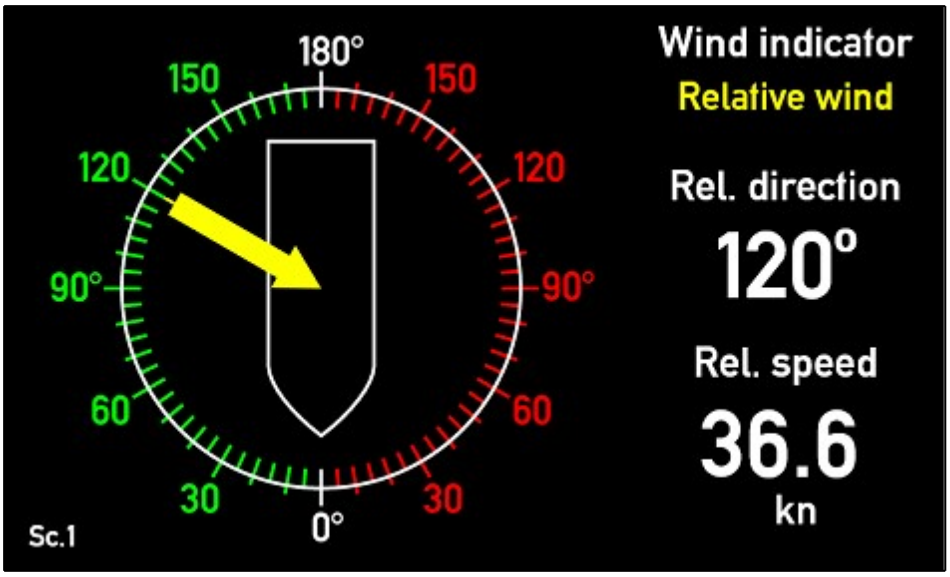
VI-setup profiles (VS) for VI005

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind and True wind rel. ship MWD1: Geographic true wind (T+M) Output are selected and activated from menu !		
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True and Geographic true wind at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind and True wind (repeated) MVD1: Geo. true wind (T+M)(repeated) Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA 2	**NMEA0183 - Calculate** NX2 extension module is required on Slot 2. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed and heading at input S2.1 or S2.3 are used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 : Relative wind and True wind MWD1: Geographic wind dir. (T + M) Must be activated from menu. Note: Wind direction is corrected for sensor offset.		

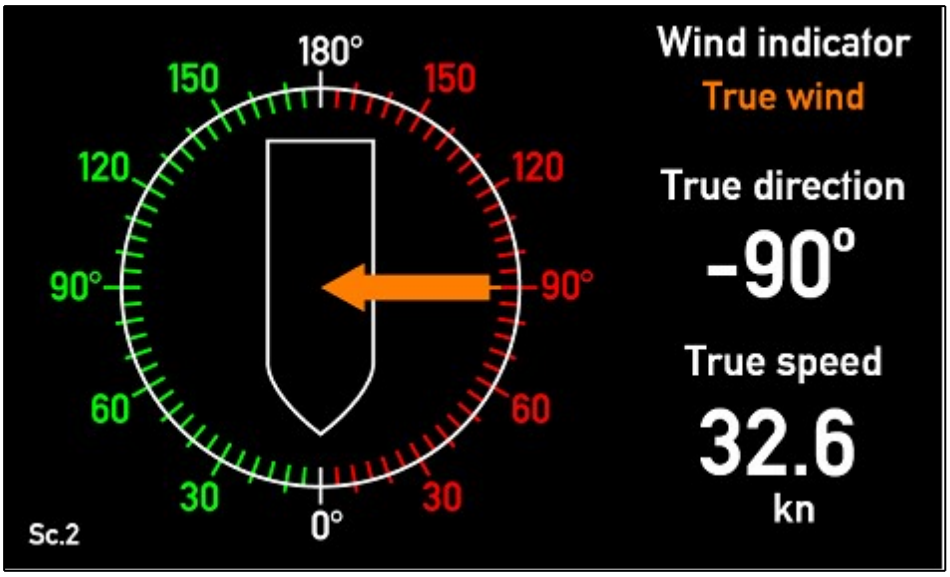
VI-setup profiles (VS) for VI005

VS No.	Name	Description	Status	Notes
4	VS04 NMEA FB	**NMEA0183 - Calculate w Fallback** As VS 03 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

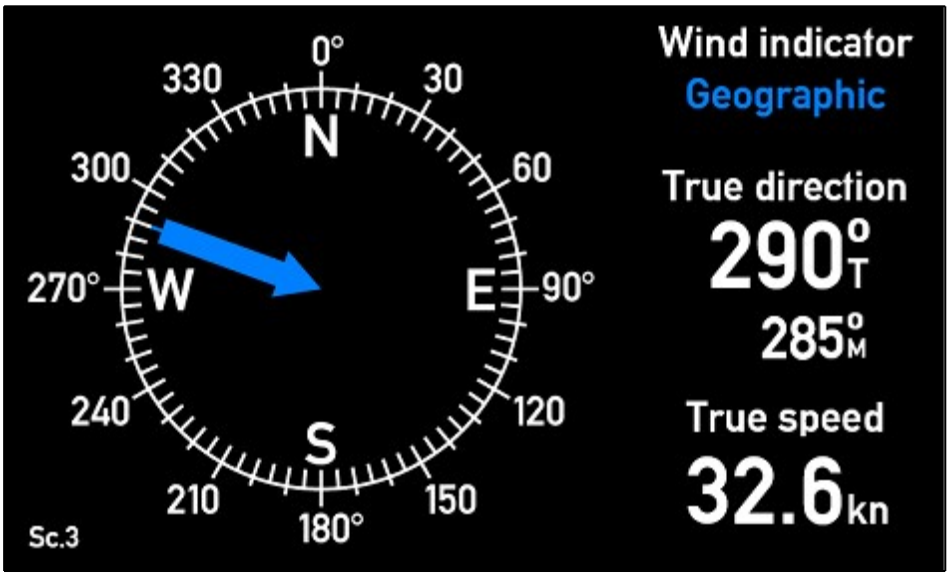
VI 006	Wind Aft R,T,GT
Screen 1	S1 Rel. wind



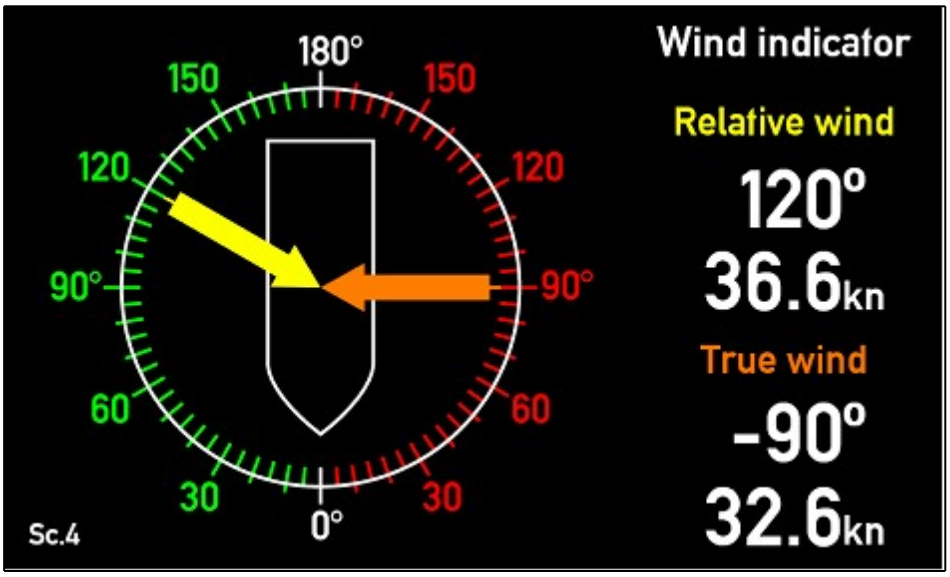
Screen 2	S2 True wind



Screen 3 **S3 Geo wind**



Screen 4 **S4 Rel+True wind**



Description : **Wind indic. AFT, 4 screen**

Relative, True and Geo. true wind
Geo wind relative to Magn. and True N

Wind direction and wind speed (max 150 m/s)
One selectable headline for all screens
Selectable speed unit

Status :

VI Notes : This virtual indicator has 4 screens to toggle between using the left push-button on front.
Unit can be shifted using the quick menu using the right push-button,
select another unit profile or edit the profile to match your needs.

On screen 3 the wind direction is presented relative to both Magnetic north and True North
If you only want wind relative to true north please select VI007(Fwd) or VI008(Aft)

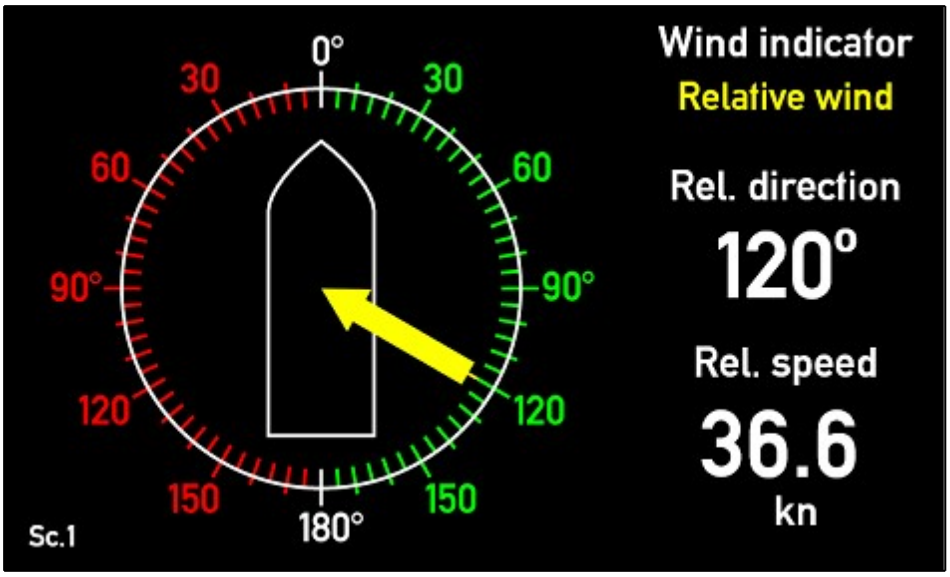
VI-setup profiles (VS) for VI006

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind and True wind rel. ship MWD1: Geographic true wind (T+M) Output are selected and activated from menu !		
2	VS02 NMEA 1	**NMEA wind in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True and Geographic true wind at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind and True wind (repeated) MVD1: Geo. true wind (T+M) (repeated) Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA 2	**NMEA - Calculate wind** NX2 extension module is required on Slot 2. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed and heading at input S2.1 or S2.3 are used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 : Relative wind and True wind MWD1: Geographic wind dir. (T+M) Must be activated from menu. Note: Wind direction is corrected for sensor offset.		

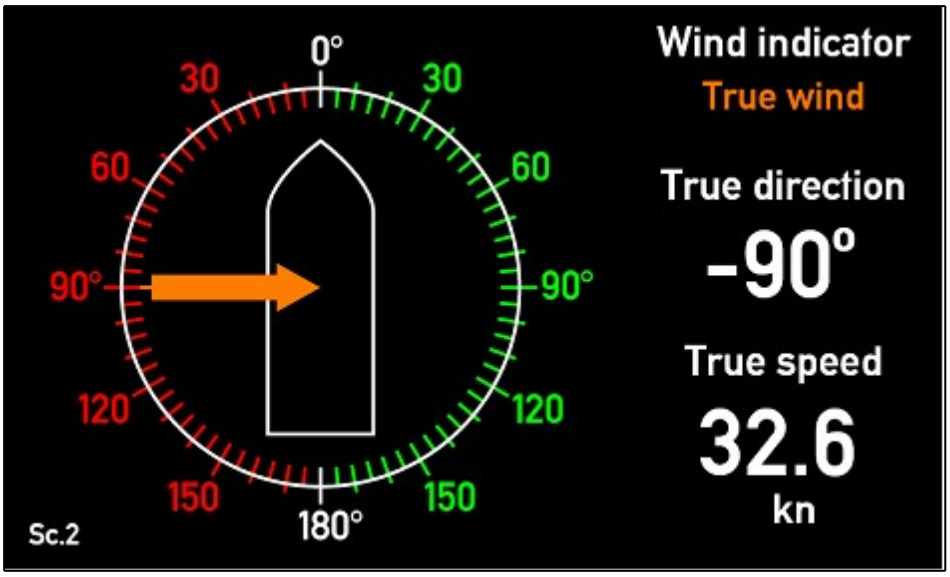
VI-setup profiles (VS) for VI006

VS No.	Name	Description	Status	Notes
4	VS04 NMEA FB	**NMEA0183 - Calculate w Fallback** As VS 03 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

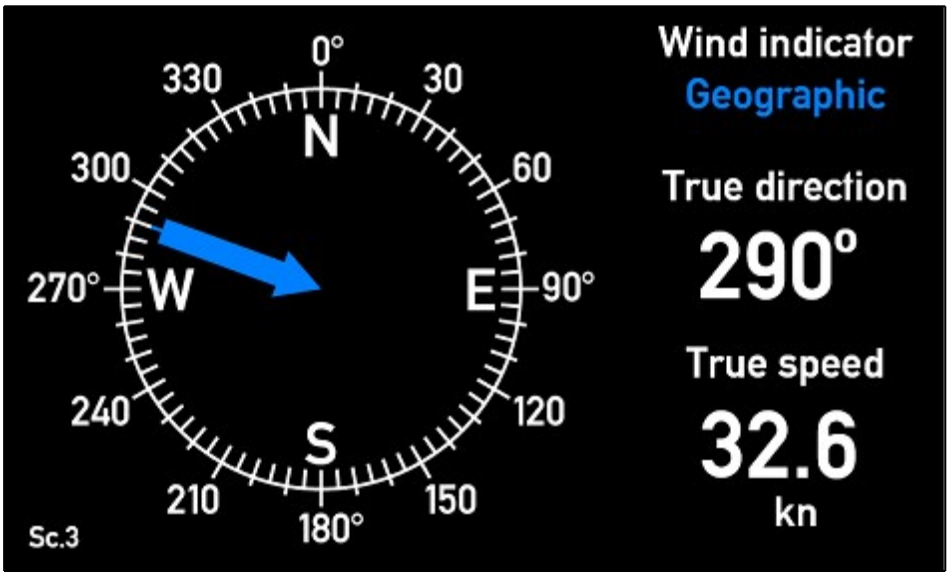
VI 007	Wind R,T,GT
Screen 1	S1 Rel. wind



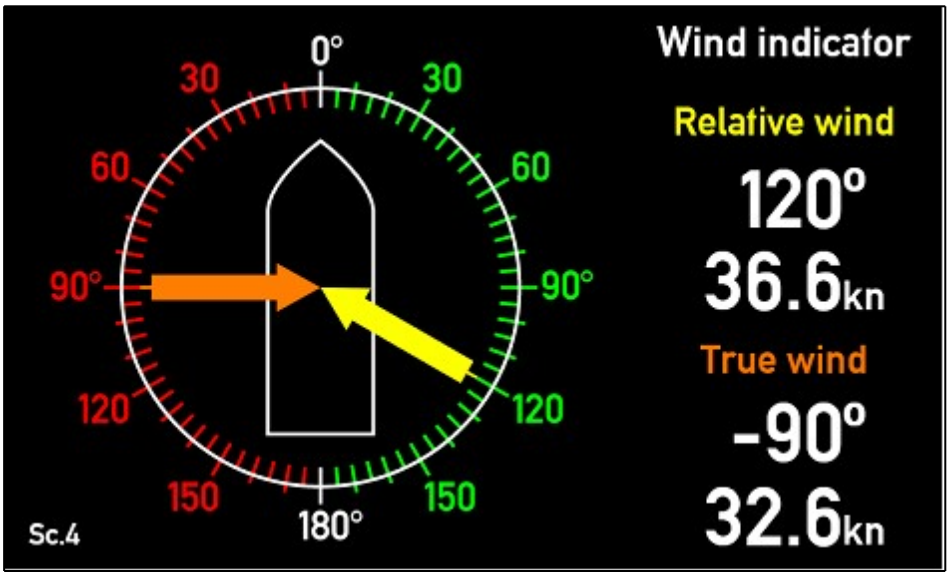
Screen 2	S2 True wind



Screen 3 **S3 Geo wind**



Screen 4 **S4 Rel+True wind**



Description : **Wind indic. FWD, 4 screen**

Relative, True and Geo. true wind.
Geo wind relative to True North

Wind direction and wind speed (max 150 m/s)
One selectable headline for all screens
Selectable speed unit

Status :

VI Notes : This virtual indicator has 4 screens to toggle between using the left push-button on front.
Unit can be shifted using the quick menu using the right push-button,
select another unit profile or edit the profile to match your needs.

On screen 3 the wind direction is presented relative to True North

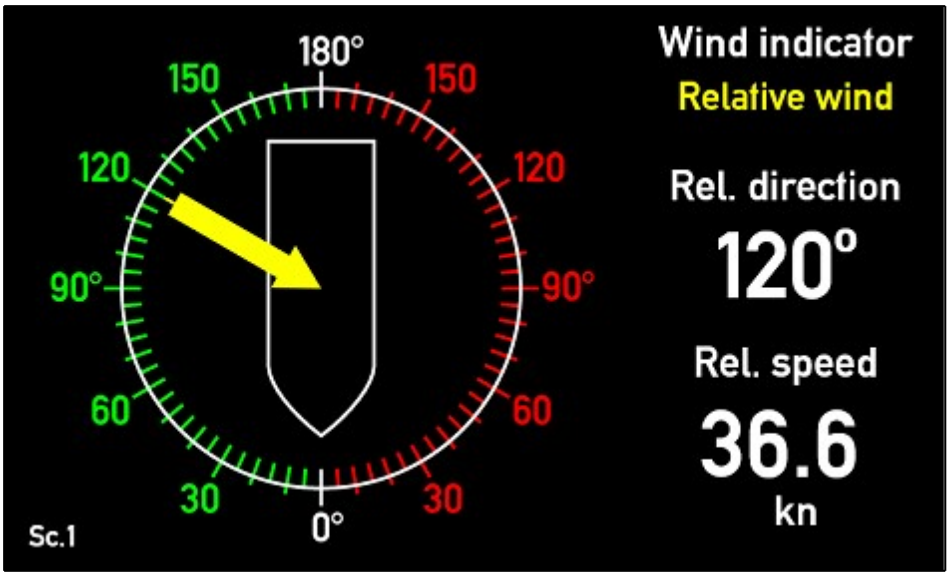
VI-setup profiles (VS) for VI007

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind and True wind rel. ship MWD1: Geographic true wind Output are selected and activated from menu !		
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True and Geographic true wind at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind and True wind (repeated) MVD1: Geo. true wind (repeated) Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA 2	**NMEA0183 - Calculate** NX2 extension module is required on Slot 2. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed and heading at input S2.1 or S2.3 are used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 : Relative wind and True wind MWD1: Geographic true wind Must be activated from menu. Note: Wind direction is corrected for sensor offset.		

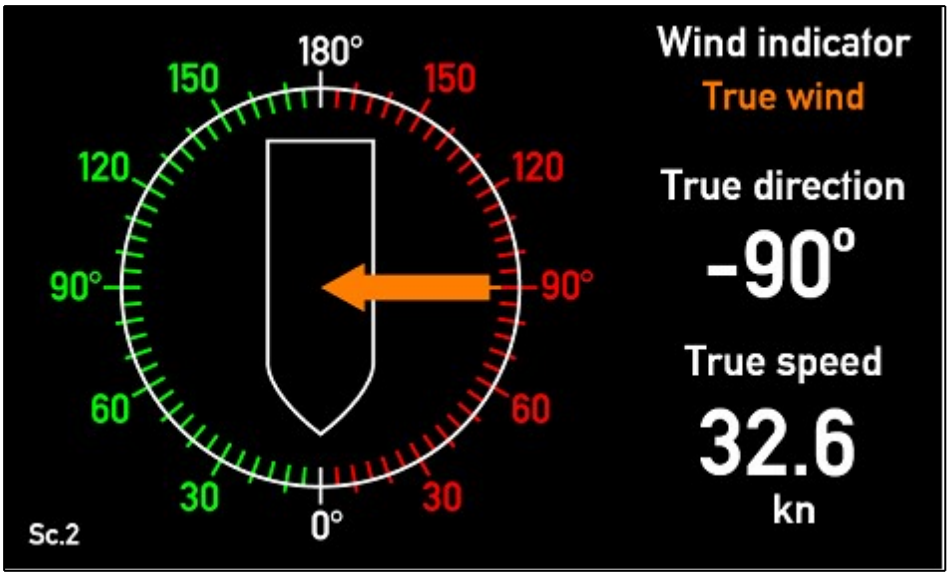
VI-setup profiles (VS) for VI007

VS No.	Name	Description	Status	Notes
4	VS04 NMEA FB	**NMEA0183 - Calculate w Fallback** As VS 03 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

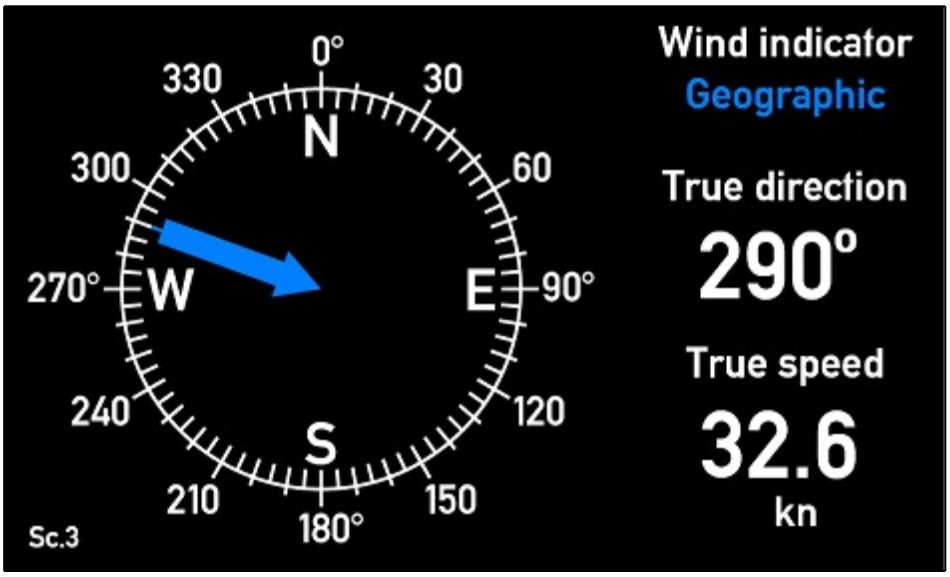
VI 008	Wind Aft R,T,GT
Screen 1	S1 Rel. wind



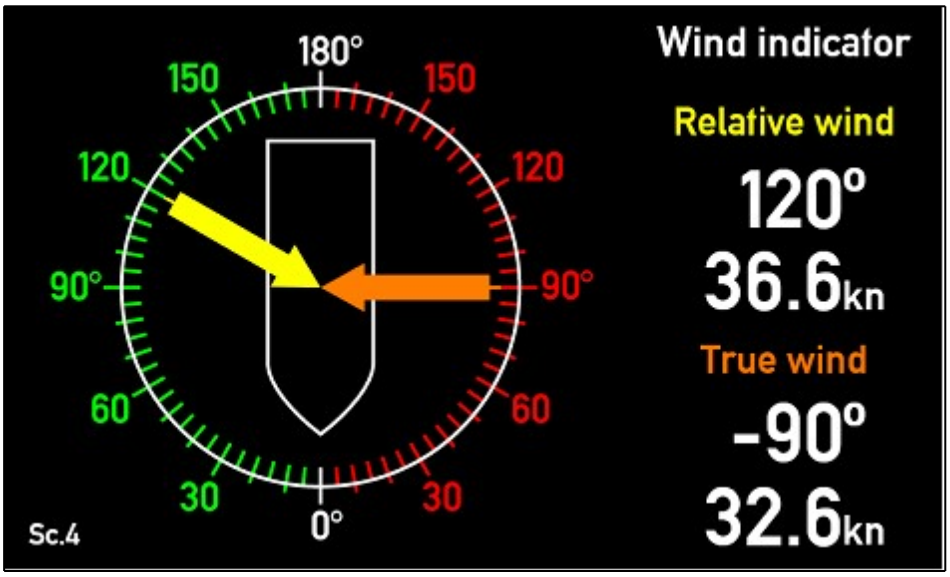
Screen 2	S2 True wind



Screen 3 **S3 Geo wind**



Screen 4 **S4 Rel+True wind**



Description : **Wind indic. AFT, 4 screen**

Relative, True and Geo. true wind
Geo wind relative to True North

Wind direction and wind speed (max 150 m/s)
One selectable headline for all screens
Selectable speed unit

Status :

VI Notes : This virtual indicator has 4 screens to toggle between using the left push-button on front.
Unit can be shifted using the quick menu using the right push-button,
select another unit profile or edit the profile to match your needs.

On screen 3 the wind direction is presented relative to True North
If you only want wind relative to true north please select VI007(Fwd) or VI008(Aft)

VI-setup profiles (VS) for VI008

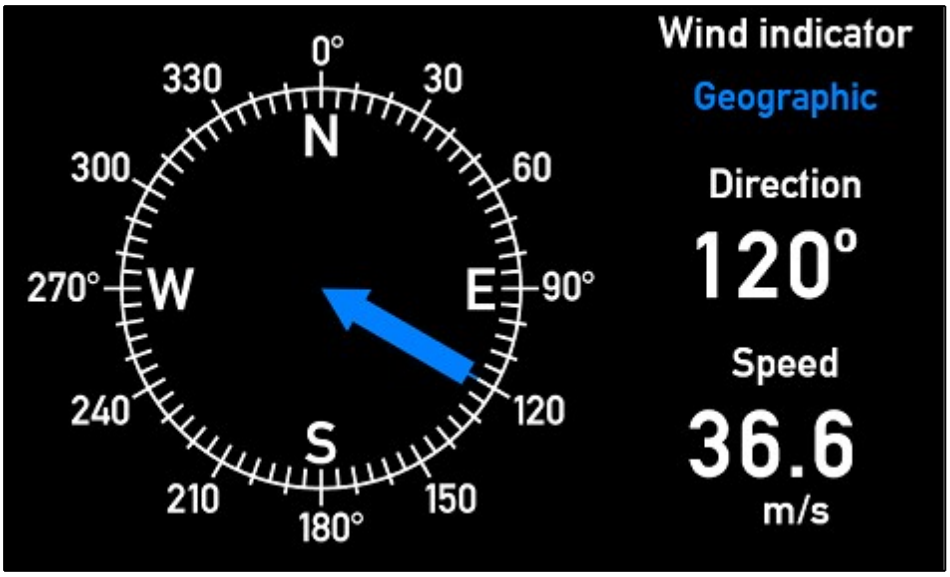
VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind and True wind rel. ship MWD1: Geographic true wind Output are selected and activated from menu !		
2	VS02 NMEA 1	**NMEA wind in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True and Geographic true wind at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind and True wind rel. ship (repeated) MVD1: Geo. true wind (repeated) Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA 2	**NMEA - Calculate wind** NX2 extension module is required on Slot 2. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed and heading at input S2.1 or S2.3 are used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 : Relative wind and True wind rel. ship MWD1: Geographic true wind Must be activated from menu. Note: Wind direction is corrected for sensor offset.		

VI-setup profiles (VS) for VI008

VS No.	Name	Description	Status	Notes
4	VS04 NMEA FB	**NMEA0183 - Calculate w Fallback** As VS 03 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

VI 009	Wind GT

Screen 1 **S1 Geol. wind**



Description : **Wind indicator Geographical**

Presents wind speed and direction to geographic north.
Used for land based applications.
Sensor must be aligned to north
Wind direction and wind speed (max 150 m/s)
One selectable headline and selectable speed unit

Status :

VI Notes :

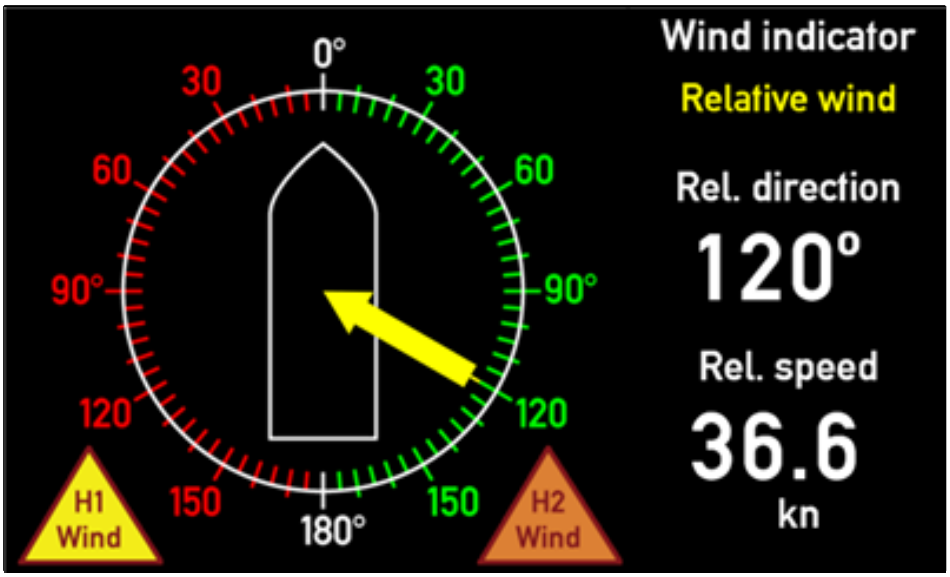
VI-setup profiles (VS) for VI009

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** Use this profile when input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: Supported for XDi-net to NMEA output: MWV1: Relative wind Output are selected and activated from menu !		

VI-setup profiles (VS) for VI009

VS No.	Name	Description	Status	Notes
2	VS02 NMEA 1	**NMEA0183 in/out** Requires NX2 extension module on Slot 2. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). Requires sentence MWV. Run NMEA auto input setup to configure NMEA output: MWV 1: Relative wind Must be activated from menu. Note: Wind direction is corrected for sensor offset.		
3	VS03 NMEA FB	**NMEA0183 w Fallback** As VS 02 plus fallback. Relative wind data can come from 2 sources. To use fallback, sources should: Be connected to separate inputs on NX2 OR Be connected to separate NX2 modules OR Have unique TalkerIDs. Fallback can be controlled from menu		Supports fallback on wind data. Two wind sensors / sources can be connected, either on separate inputs, or with unique Talker IDs. Primary (Wind speed 1) / Secondary (Wind speed 2) source is set with NMEA input setup. NMEA Auto setup in XDi will NOT configure primary and secondary sources. The NMEA Auto setup will detect both inputs, but only set one sensor as source for both primary and secondary data.

VI 010	Wind FWD R
Screen 1	Screen 1



Description : **Wind indicator FWD, Relative**

Presents relative wind speed and direction
with alarm on relative wind speed

Wind direction and wind speed (max 150 m/s)
One selectable headline and selectable speed unit

Status :

VI Notes :

VI-setup profiles (VS) for VI010

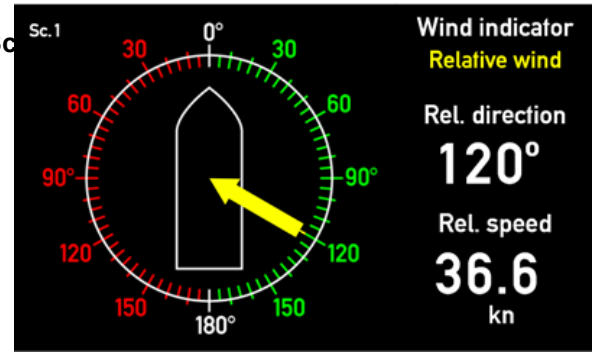
VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** DX1 module required for alarm indication. Use this profile when input data are available on XDi-net. With NX1 module on slot 2: MWV1: Relative wind output can be activated from menu. Alarm levels for wind speed can be set in user menu - warning marks.		

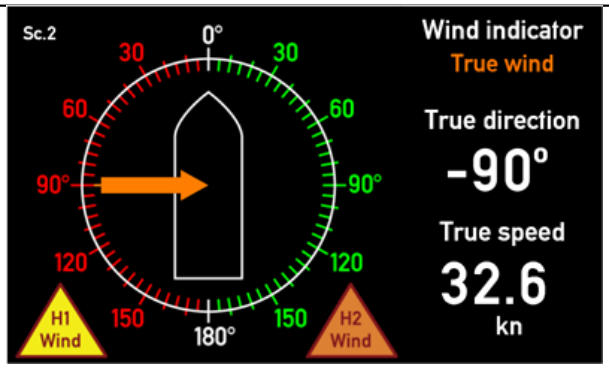
VI-setup profiles (VS) for VI010

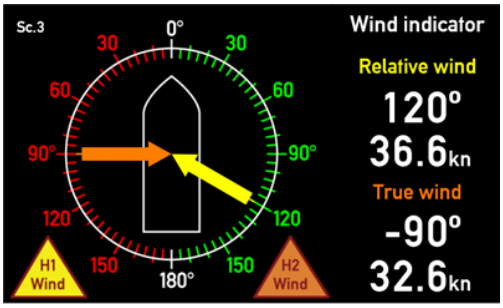
VS No.	Name	Description	Status	Notes
2	VS02 NMEA 1	**NMEA0183 in/out** NX2 slot 2 required. DX1 slot 1 required for alarm indication. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). Run NMEA auto input setup to configure With NX1 module on slot 2: MWV1: Relative wind output can be activated from menu. Alarm levels for wind speed can be set in user menu - warning marks.		

VI 011 **Wind FWD R,T**

Sc







Description : **Wind indic. FWD, 3 screen**

Relative and True true wind rel. to ship
with alarm on true wind speed

Wind direction and wind speed (max 150 m/s)
One selectable headline and selectable speed unit

Status :

VI Notes :

VI-setup profiles (VS) for VI011

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net repeater** DX1 slot 1 required for alarm indication. Use this profile when all input data are available on XDi-net. XDi-net data are typically supplied from another XDi, setup to receive NMEA data via NX2 module and/or calculated and share data. With NX1 module on Slot 1 or 2: NMEA output: MWV1 activate from menu Alarm levels for wind speed can be set in user menu - warning marks.		

VI-setup profiles (VS) for VI011

VS No.	Name	Description	Status	Notes
2	VS02 NMEA 1	**NMEA0183 in/out** NX2 slot 2 required. DX1 slot 1 required for alarm indication. Default NMEA connections: Relative wind sensor data at S2.2 RX/TX2 (RS485). True wind relative to ship at input S2.1 or S2.3 Run NMEA auto input setup to configure NMEA output: MWV1 activate from menu. Alarm levels for wind speed can be set in user menu - warning marks.		
3	VS03 NMEA 2	**NMEA0183 - Calculate** NX2 slot 2 required. DX1 slot 1 required for alarm indication. Default NMEA connection: Relative wind data at input S2.2 RX/TX2 (RS485). Speed at input S2.1 or S2.3 is used to calculate true wind. Run NMEA auto input setup to configure NMEA output: MWV1 activate from menu Alarm levels for wind speed can be set in user menu - warning marks.