

PRODUCT BASIC INFORMATION

# VMH 70 MARINE DISPLAY

Best Performances in Outdoor environments



# VMH 70

All your vessel data on a stylish VMH display

## KEY FEATURES

- ▶ Veratron VMH premium instruments series
- ▶ 7" sun-readable IPS TFT touchscreen display
- ▶ Slim panel installation profile
- ▶ Mineral glass front lens
- ▶ Reliably operating in high-temperature environments
- ▶ IPX7 protection rating (exposed device)
- ▶ NMEA 2000 certified
- ▶ Fully configurable analog inputs for direct sensor connections with NMEA 2000 gateway
- ▶ Customizable startup screen
- ▶ Dual SAE J1939 CAN ports
- ▶ Easily customizable GUI screens

The best-in-class VMH 70 display is designed to manage large amounts of complex data, and thanks to its real-time operating system it ensures full control on vital engine information immediately after power up.

Easily configured to display information from up to four engines when connected to NMEA2000 or two engines via J1939 or analog inputs simultaneously, it has large possible setting.

This allows users to group similar items such as single or dual engines, battery performance, fuel, water, waste, tank level, rudder and trim, onboard systems, navigation and weather, if desired.

The device has an integrated light sensor that adjusts for easy reading without eye strain, no matter how bright or dark the conditions, and two camera inputs allow to control the engine compartment during navigation and keep an eye on the main deck while maneuvering.

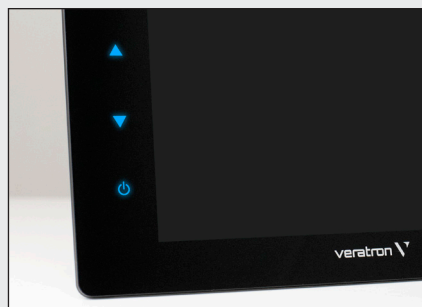
The embedded NMEA 2000 gateway brings all the sensor readings and alarms to your external multifunctional display, saving the cost of an additional converter.



Customize your screens with more than 40 available data



The VMH series look and feel gives an elegant and stylish touch to your dashboard



Lateral touch buttons are RGB illuminated and allow for a quick brightness adjustment

## ACCESSORIES AND SPARE PARTS

Sun cover*	B00134401
Panel mounting kit*	B00067201
Engine 1 power and data cable*	A2C1507870001
Engine 2 data cable*	A2C1992110001
EasyLink extension cable*	A2C59500139
Video cable 0.3 m	A2C1845710001
NMEA 2000 drop cables	A2C9624370001 - 0.5 m A2C9624380001 - 2m A2C9624400001 - 6m
VMH 14 satellite instrument	B00109901

\* included in the box



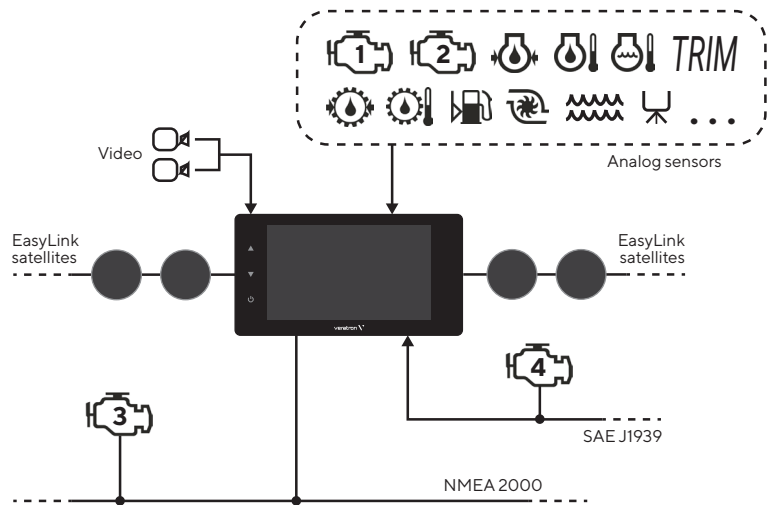
Intelligent Battery Sensor (IBS) screen to keep your energy supplies under control



## » Thanks to the embedded analog to NMEA 2000 gateway every sensor reading is transmitted on the network

### INPUTS

- ▶ 6x resistive sensor inputs
- ▶ 2x frequency inputs for RPM readings
- ▶ 3x 0-5V sensor inputs
- ▶ 2x 4-20mA sensor inputs
- ▶ 2x SAE J1939 CAN ports
- ▶ 2x EasyLink channels
- ▶ 2x Composite video inputs



### TECHNICAL DATA

<b>Nominal voltage</b>	12 / 24 V
<b>Operating voltage</b>	9 - 32 V
<b>Current consumption</b>	Max. 1.2 A @ 12 V with full backlight intensity ≤ 200 mA in standby mode
<b>Display</b>	7" IPS TFT display with multitouch screen Full 24 bit / 16 mio. colors 800x480 px resolution 800 cd/m <sup>2</sup> intensity
<b>Dimensions</b>	WxH: 220 x 128 mm Profile height: 6 mm (with sealing)
<b>Mounting</b>	Front panel mount via mounting kit
<b>Nominal position</b>	NL 0° to NL 90° acc. to DIN 16257
<b>Protection class</b>	IPX7 acc. to IEC 60945 (exposed equipment) with plugged-in connectors or blind plugs
<b>Housing</b>	Aluminum case Mineral glass front lens
<b>Connectors</b>	2x Molex MX-150, 12 pins 1x DeviceNet M12, 5 pins (NMEA 2000) 2x TE SuperSeal 1.5, 3 pins (EasyLink) 1x M12, 4 pins (Video)
<b>Flammability</b>	V0 acc. to UL-94
<b>Compliance</b>	CE, UKCA, Reach, RoHS

### ALL YOUR VESSEL DATA

✓ Engine data	✓ Transmission
✓ GPS information	✓ Wind data
✓ Battery status	✓ Tank levels
✓ Vessel Roll & Pitch	✓ Weather
✓ MediaBox Radio	✓ Trip and distance



Every place of the boat is under your control thanks to the dual video input

» THE PERFECT MATCH



art. nr. B00109901

## VMH 14

- ▶ VMH look-and-feel
- ▶ Digital display with visual bargraph
- ▶ Easylink interface
- ▶ Up to 16 satellites per channel
- ▶ Configurable with your smartphone via Airlink
- ▶ Trim, Voltmeter, Fuel Level, Water Temperature, Transmission Oil Temp. and Pressure, Engine Oil Temp. and Pressure



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**OUTDOOR INSTRUMENTATION  
ENGINEERED IN SWITZERLAND**



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