

Azimuth® 1000

High-performance Compass



Award-winning Digital Compass
for Your Powerboat

KVH Azimuth 1000 – the heads-up choice for a digital fluxgate compass

If you want a compass with the features, quality, and design that meet the needs of high-performance powerboats, the KVH Azimuth 1000 is the compass system for you! By combining digital heading and the familiar compass rose on a large, heads-up display with an easy-to-use off-course mode, the Azimuth 1000 makes steering easy and precise – no matter how fast you're going or how rough the seas.

Totally self-contained for easy installation and designed to military quality standards, the Azimuth 1000 was a six-time winner of the "Best Electronic Compass" annual award by National Marine Electronics Association (NMEA) dealers. Azimuth 1000 is standard equipment on many leading brands of powerboats, including Fountain®. Even the U.S. Navy approved the replacement of its ships' magnetic card compasses with KVH digital compasses. The Azimuth 1000 can also provide heading data for use with radars, autopilots, plotters, and PC software through its fast, 10 Hz NMEA 0183 output port.

The KVH Azimuth 1000 – the rock-steady and reliable digital compass for today's navigation!



Stay on Course

With $\pm 0.5^\circ$ accuracy, the Azimuth 1000 keeps you on course and in the race.



Versatile & Easy to Use

Clear displays and easy operation deliver award-winning navigation.

Features & Benefits

- Backlit LCD display with rotating compass rose and large numerals for easy use during the day or night
- Completely automatic compensation for guaranteed $\pm 0.5^\circ$ accuracy
- Heading data output for use with other NMEA 0183-compatible electronics
- 10 user-selectable damping levels for stability in virtually any sea state
- Self-contained system for a fast and easy installation
- Designed and built by KVH – the leader in electronic compass technology



Stable, easy-to-read display shows current heading using large digital numerals with one-degree resolution.

Unique rotating image of the familiar points of the compass rose is pictured on the upper part of the display.

Standard NMEA 0183 output interfaces with your autopilot, radar, plotter, and charting system. Accurate compass data improves other electronics' performance.

Continuous automatic compensation corrects for the boat's magnetic distortion, providing accuracy to 0.5°. Compensation display shows accuracy and quality of magnetic location.

Solid-state, next-generation, fluxgate sensor reads the earth's magnetic field electronically without rotating parts.

10 selectable damping levels offer stability control as sea state conditions change.

Self-contained sensor inside display housing installs easily with no hidden parts or complicated wiring.

Backed by 3-year Buyer Protection Plan and the finest Customer Service in the industry.

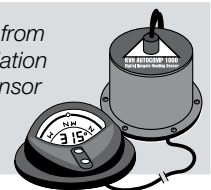
Push-button off-course indicator changes upper display from rotating compass rose to off-course steering indicator.



Award-winning flushmount design, available in black or white.



*Accuracy based on mounting the Azimuth 1000 18" or more from magnetic interference. For boats unable to achieve this installation requirement, KVH offers the **Azimuth 1000R**. The remote sensor allows the display to remain on the dash while the sensor is mounted in a magnetically clean location.



Technical Specifications

Accuracy	±0.5° after Auto-compensation	Sensor Cable Length	15 feet (4.5 m) (1000R only)
Current Consumption	63 mA (light off)/125 mA (max. light)	Storage Temperature	-4°F to 175°F (-20°C to 80°C)
Deviation Correction	Automatic Compensation	Standard Output	NMEA 0183 (10 Hz data rate)
Base Dimensions	6-1/4 inch diameter (15.9 cm)	Black Housing Part #s	01-0148 01-0145 (Remote sensor config.)
Gimbal Range	±25°	White Housing Part #s	01-0148-01 01-0145-01 (Remote sensor config.)
Height	2-3/4 inch (7 cm)	Voltage	12V DC Nominal
Field Strength Sensitivity	6.5 - 65µ Tesla	Warranty	1-year parts/1-year factory labor
Weight	12 ounces (340 g)		
Damping Levels	Selectable Range 0-9 (ten levels)		
Cable Length	10 feet (3 m)		

Meets FCC and CE requirements



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