

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AZIMUTH

Azimuth ACE 400WB Wideband Wireless Channel Emulator

The Azimuth ACE 400WB is a solid and reliable marine autopilot system designed for enhanced navigational control. Featuring advanced algorithms and a user-friendly interface, it ensures precise course holding and smooth maneuvering in diverse sea conditions. Ideal for both recreational and professional mariners.



MODEL

Azimuth ACE 400WB

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ACE 400WB

LISTING

<https://aumictechlabs.com/products/ace-400wb-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Azimuth ACE 400WB is a solid and reliable marine autopilot system designed for enhanced navigational control. Featuring advanced algorithms and a user-friendly interface, it ensures precise course holding and smooth maneuvering in diverse sea conditions. Ideal for both recreational and professional mariners. Technical Specifications * Product Type: Wi-Fi MIMO Channel Emulator MIMO Support: Scalable from SISO up to 4×4 MIMO configurations Channel Emulation: Real-time emulation of multipath environments Fading: Dynamic channel modeling with bi-directional emulation for downlink and uplink paths simultaneously RF Characteristics: stringent Wi-Fi requirements with superior EVM (Error Vector Magnitude) and Noise Figure Data Streaming: Supports real-time data streaming to playback field-recorded conditions Test Scenarios: Includes

six built-in 802.11n specified models for recreating typical Wi-Fi scenarios Customization: Features a Custom Model Builder for programming user-defined models or modifying existing ones by introducing power delay profiles and correlation parameters Automation: Designed for automated testing and integrates with Azimuth DIRECTOR II Test Executive software for GUI access and full script control via TCL API Connectivity: Simple RF in/RF out design, eliminating the need for external hardware Interfaces * RF Ports: Multiple RF ports for configuration Control Software: Azimuth DIRECTOR II Test Executive software for management and automation API: TCL API for automated or remote control Physical * Form Factor: Stand-alone test platform Internal Components: All required RF components are integrated internally Compatibility * Wireless Technologies: Optimized for Wi-Fi client and infrastructure devices. Also supports testing of WiMAX, LTE, and other 4G infrastructure and devices (as per the ACE MX product line, which shares architectural similarities). Test Software: Compatible with Azimuth DIRECTOR II Test Executive and Azimuth STUDIO for data management. Why Choose Aumictech for Azimuth ACE 400WB? At Aumictech, we specialize in supplying high-end wireless channel emulation equipment. Whether you need to accurately test MIMO device performance in diverse RF environments, streamline your Wi-Fi device validation process, or ensure solid interoperability of your wireless infrastructure, our team ensures the Azimuth ACE 400WB delivers maximum performance for your application.

ACE400WB Characteristics / Specifications

PARAMETER	VALUE
Model	ACE 400WB
Instrument Type	wireless channel emulator
Manufacturer	Azimuth
Form Factor	RF channel emulator chassis
Application Class	wireless device test
System Role	wideband fading emulator
Use Case	MIMO and OTA channel emulation
Documentation Type	OEM Azimuth ACE 400WB listing
Band Class	wideband ACE 400WB frequency span on the sheet
Channel Class	ACE 400WB RF ports on the sheet
Fading Class	ACE 400WB fading models on the sheet
Bandwidth Class	ACE 400WB instantaneous BW on the sheet
Mimo Class	ACE 400WB MIMO order on the sheet
Dynamic Range Class	ACE 400WB dynamic range on the sheet
Brand Lineage	Azimuth
Literature	Azimuth ACE 400WB wideband wireless channel emulator literature
Interface Class	ACE 400WB control interface on the sheet
Rf Connector Class	ACE 400WB RF connectors on the sheet
Delay Class	ACE 400WB delay spread on the sheet
Operating Class	RF laboratory
Mains Class	ACE 400WB AC input on the sheet
Calibration Class	RF path calibration
Impedance Class	50 ohm RF
Bandwidth	Class: ACE 400WB instantaneous BW on the sheet

ACE400WB Specifications

PARAMETER	VALUE
Azimuth ACE 400WB Wideband Wireless Channel Emulator	Overview
WLAN and cellular test	Azimuth ACE 400WB
Technical Specifications	Model: ACE 400WB

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
From Azimuth ACE 400WB wideband wireless channel emulator listings. MHz span, MIMO order, and fading models are on the ACE 400WB sheet; do not invent MHz or path counts.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.