

Brochure

VIAVI

ATB-7300NG

Avionics NAV Bench Test Set

The ATB-7300NG Navigation Test Set is based on the new VIAVI AXle Avionics Test Bench (ATB) platform. The ATB platform is a powerful leading edge design tailored for end-users from OEMs to repair shops and can be used for all stages of the avionics lifecycle: Product development; Design verification & validation; Certification; Manufacturing; Return-to-service; and Service/calibration.



• ATB-7300NG shown with customer supplied monitor.

Standard Features

VHF Generator - Provides control of modulation frequency, modulation depth (up to 3 sources), SELCAL tones, frequency and tone sequences

ILS/LOC Generator - Provides control of 90 Hz and 150 Hz tone frequencies, modulation depths, left/right DDM and IDENT settings, including Morse code

ILS Glide Slope Generator - Provides control of 90 Hz and 150 Hz tone frequencies, modulation depths, up/down DDM

VOR Generator - Provides control of 30 Hz Var/Ref and 9960 Hz tone frequencies, modulation depths, 9960 Hz deviation, VOR bearing, to/from and IDENT settings

ADF Generator - Provides control of modulation frequency, modulation depth and IDENT settings

Marker/Beacon Generator - Provides selection of Outer, Middle and Inner marker beacon tones and control of tone frequencies, modulation depth and IDENT settings

User Interface

- Basic Graphical User Interface (GUI) allows access to test features
- The ATB offers an Ethernet remote control interface
- Commands set compatibility offered for the following legacy products:
 - NAV-2000R
 - ATB-7300
 - Collins 479S-6A

Ordering Information

Versions and Options

Order Number	Description
142759*	ATB-7300NG Avionics NAV Test Bench

**Includes all Standard Accessories*

Standard Accessories

142514	Mouse; USB
142523	Keyboard; USB
ATB7300OPSMANUAL	ATB-7300NG Operations Manual (CD)

Optional Accessories

139910	Rack Mount Kit (2U)
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Extended Warranty

ATB-7300NG-WAR-3YR	Extended Hardware Warranty + Certified Calibrations
ATB-7300NG-WAR-5YR	Extended Hardware Warranty + Certified Calibrations

Physical Characteristics

Rack units mA-1302: 2U x 19"
Dimensions mA-1302: 432 mm (W) x 88 mm (H) x 435 mm (D)
Weight mA-1302: 10.5 kg (23.1 lbs)
Acoustic emissions 78 LWA dB (max), 63 LWA dB (typical)

Environmental

Operating temperature 0° - 50° C
Storage temperature -40° - 71° C
Humidity 95% to 40° C (in accordance with MIL-PRF-28800F)
Altitude 4,600 m
Functional shock 30 G (in accordance with MILPRF-28800F)

Test Capabilities

VHF Generator
ILS/LOC Generator
ILS Glide Slope Generator
VOR Generator
ADF Generator
Marker/Beacon Generator

Calibration Cycle

VST Calibration Certification: 1 year
