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Brochure

# VIAVI

## ATB-7300NG

### Avionics NAV Bench Test Set

**VIAVI**  
VIAVI Solutions

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

Market/Beacon Generator

## Calibration Cycle

VST Calibration Certification: 1 year