

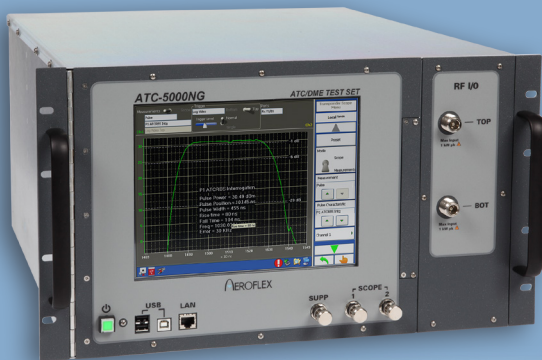
ATC-5000NG

NextGen ATC/DME Test Set

COBHAM

Prepare for Global ATC Modernization
with NextGen test technology

The most important thing we build is trust



ATC-5000NG

Software-driven design allows for field updates for adding new features, capability or modifications due to industry changes



Features

- Software-driven design allows for field updates to add new features, capabilities or modifications
- ADS-B squitter decode and logging for ADS-B Out testing (DO-260, DO-260A and DO-260B data parsing)
- ADS-B Target Generator for ADS-B In receiver testing (DO-260B MOPS preconfigured tests available, Option 6)
- Generates ATCRBS/Mode S interrogations
- Multi-receiver test capability (Option 3)
- UAT TX/RX capability (Option 2)
- Pulse and frequency measurement
- 10.4 inch touch screen LCD display for operator control of all test set capabilities
- Remote controlled via GPIB or Ethernet
- Two independent transmitters and receivers

- TX/RX data logging capability
- add legacy command set option
- Full diversity testing capability
- Data parsing in engineering units

Applications

- Engineering development, certification, manufacturing and service
- Capable of performing most MOPS tests for DO-181E, DO-260, DO-260A, DO-260B, DO-282B

Benefits

- Internal pulse measurement capability eliminates need for oscilloscope
- Modern architecture design will support NextGen mandates and future standards changes

- Support for Air Traffic Control Modernization (NextGen, SESAR) standards

Equipment Tested

- Transponders Mode S/ADS-B Out
- ADS-B In Receivers
- UAT Transceivers
- 1090MHz DF18 Emitters (surface vehicles)
- ADS-B In Ground Station Receivers
- ADS-R, TIS-B Ground Station Transmitters
- DMEs

See Product Specification Sheet for a more detailed specification.

The ATC-5000NG is an RF signal generator/receiver for testing Mode 3/A, C and S transponders. The ATC-5000NG was designed with modern software defined radio technology and is the replacement product for the commercial functionality of the SDX-2000, ATC-1400A and S-1403DL.

Dimensions

Size:	10.5"H x 19"W x 24"D 26.7 cm x 48.3 cm x 60.9 cm
Weight:	41 lbs. (18.6 kg)
Shipping Weight:	53 lbs. (24.04 kg)

Environmental

Temperature

Full specified performance	23°C (±5°C)
Operating	0°C to +40°C
Storage	0°C to +71°C

Relative Humidity	0 to 95% non-condensing
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Compliance

CE
UL/EN 61010-1
EN 61326-1
MIL-PRF-28800F (Class 3 Device)

VERSIONS, OPTIONS AND ACCESSORIES

Order Number	Description
138156	ATC-5000NG Transponder Test Set
139311	ATCNGOPT01 DME Option
138157	ATCNGOPT02 UAT 978MHZ Option
138159	ATCNGOPT03 Multi-receiver Option
138158	ATCNGOPT04 SDX-2000 Command Set Compatibility Option
138223	ATCNGOPT05 ATC-1400A / S-1403DL Command Set Compatibility Option
139310	ATCNGOPT06 DO-260B MOPS Test Option (requires Multi-Receiver Option)

Standard Accessories

114114	Keyboard w/ touchpad
62302	Power cord, 110V
64020	Power cord set, 220V
139188	Operations Manual
139189	Getting Started Manual



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