

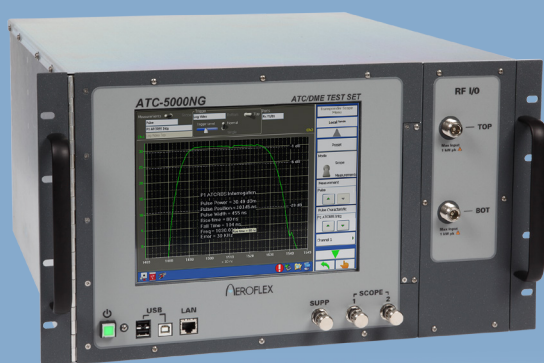
ATC-5000NG

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

COBHAM

Features

- Generates ATCRBS/Mode S interrogations
- Software defined architecture supports legacy and NextGen transponders
- 10.4 inch touch screen LCD display for operator control
- Can be remotely controlled via GPIB or Ethernet
- Legacy command sets supported:
 - SDX-2000 (option)
 - ATC-1400A / S-1403DL (option)
- Support for current standards:
 - ATCRBS/Mode S, DO-181E
 - ADS-B, DO-260, DO-260A, DO-260B
 - UAT, DO-282B (option)
- DME (option)
- Multi-Receiver test capability (option)
- TX/RX data logging capability
- Full diversity testing capability
- Enhanced measurement capabilities
- Supports interrogation tables and block transmissions
- Enhanced single and double interrogation modes
- Contains six transmitters

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

- Replacement for the SDX-2000, ATC-1400A and S-1403DL
- Modern architecture design will support NextGen mandates and future standards changes

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

Compliance

CE
UL/EN 61010-1 (Pending)
EN 61326-1 (Pending)

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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