

RGS-2000NG

NextGen TCAS Test Set

COBHAM

Prepare for Global ATC Modernization
with NextGen test technology

The most important thing we build is trust



RGS-2000NG

The premier test solution for development, certification, test and repair of Traffic Collision Avoidance Systems (TCAS) and transponders



Features

- 10.4 inch touch screen LCD display for operator control
- Can be remotely controlled via GPIB or Ethernet
- Legacy command set supported for RGS-2000
- Support for current standards:
 - TCAS, DO-185A, DO-185B
 - ADS-B, DO-260, DO-260A, DO-260B
 - TCAS II Hybrid Surveillance, DO-300
 - ATRCRBS/Mode S, DO-181E (option)
- Simulates up to 32 dynamic and 568 static intruders
- Transponder test capability for Modes 3/A, C and S (option)
- ADS-B squitter encode/decode
- Four port antenna simulation
- Contains six transmitters
- Enhanced measurement capabilities
- TX/RX data logging capability

Applications

- Engineering development, certification, manufacturing and service
- Capable of performing most MOPS tests for DO-185A, DO-185B, DO-260, DO-260A, DO-260B, DO-181E and DO-300

Benefits

- Replacement for the RGS-2000
- Modern architecture design will support NextGen mandates and future standards changes

Equipment Tested

- TCAS computers
- ADS-B In Receivers
- ADS-B In Ground Station Receivers
- ADS-R, TIS-B Ground Station Transmitters
- Transponders Mode S/ADS-B Out (transponder option)

See Product Specification Sheet for a more detailed specification.

The RGS-2000NG TCAS Test Set is an RF signal generator/receiver for testing Traffic Alert and Collision Avoidance Systems (TCAS) with an option available for testing transponder LRUs. The RGS-2000NG was designed with modern software-driven digital modulation technology and is the RGS-2000 replacement for engineering development, design validation, manufacturing and return-to-service testing.

Dimensions

Size: 10.5"H x 19"W x 24"D
26.7 cm x 48.3 cm x 60.9 cm

Weight: 43 lbs. (19.5 kg)
(Shipping Weight): 58 lbs. (26.3 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
EN 61326-1

VERSIONS, OPTIONS AND ACCESSORIES

Order Number	Description
113956	RGS-2000NG TCAS Test Set (One of the below OEM compatibility options is required)
114343	RGSNGOPT01 - Rockwell Collins compatibility option
114344	RGSNGOPT02 - Honeywell compatibility option
138431	RGSNGOPT03 - Avidyne compatibility option
138453	RGSNGOPT04 - ACSS compatibility option
139363	RGSNGOPT05 - Selex compatibility option
139362	RGSNGOPT06 - Garmin compatibility option
114342	RGSNGOPT10 - Transponder test option
139892	RGSNGOPT11 - SDX-2000 Command Set compatibility (requires Transponder Option)
140109	RGSNGOPT13 - UAT 978MHz Option (requires Transponder Option)
140110	RGSNGOPT14 - Multi-Receiver Option (requires Transponder Option)
140121	RGSNGOPT15 - DO-260B MOPS Test Option (requires Transponder Option and Multi-Receiver Option)

Standard Accessories

114114	Keyboard w/ touchpad
62302	Power cord, 110V
64020	Power cord set, 220V
139187	Operations Manual (CD)
139190	Getting Started Manual



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