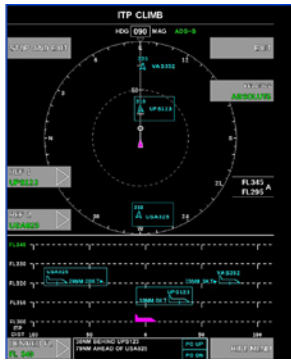


ADS-B In Capable Traffic Alert & Collision Avoidance System

More Functions, Same Footprint



The TCAS 3000SP (Surveillance Processor) is based on ACSS's very successful TCAS II/2000 product line with more than 15,000 units delivered and proven reliability. The new system delivers industry-leading TCAS II capability with the option of enhancing the surveillance capability

with certified ADS-B In (Automatic Dependent Surveillance-Broadcast) applications.

The TCAS 3000SP delivers enhancements in reliability and computing power to handle the most demanding applications, including the mandated Change 7.1 enhancement and Airborne Separation Assurance System (ASAS) upgrades. Software-only upgrades can be made to add ADS-B In functions, such as Surface Area Movement Management (SAMM), Merging & Spacing, CDTI Assisted Visual Separation (CAVS), In-Trail Procedures (ITP) and Cockpit Display of Traffic Information (CDTI), which are all part of ACSS's SafeRoute® suite of ADS-B applications.

The TCAS 3000SP is completely backward compatible with the TCAS 2000, and provides appreciable operating cost savings through its reduced weight and power dissipation. Other features include an internal data recorder with external PC-based data analysis tool, maintenance aural, and the ability to perform easy on-board software uploads using a built-in compact flash port.

KEY FEATURES & BENEFITS

- Only TCAS to offer certified ADS-B In (TSO C166b) applications. SafeRoute® ADS-B In delivers greater safety margins, reduced pilot workload, better and faster reaction time, and improved flying efficiencies
 - Surface Area Movement Management (SAMM)
 - Merging & Spacing (M&S)
 - In-Trail Procedure (ITP)
 - Cockpit Display of Traffic Information (CDTI) interface
 - CDTI Assisted Visual Separation (CAVS)
- Patented amplitude monopulse antenna with high bearing accuracy
- Superior intruder tracking performance to track up to 400 aircraft
- Extended range-greater than 100nm
- Time and Space partitioned operating system
- Easy operational software upgrades via Compact Flash
- Backward compatible with TCAS 2000
- Maintenance aural for easy installation and troubleshooting
- Change 7.1 enhancement included
- Hybrid Surveillance enhancement

MANDATED CHANGE 7.1 SW INCLUDED



ADS-B In Capable TCAS

SPECIFICATIONS

TCAS 3000SP™ (Surveillance Processor)
Base P/N: 9003500-xxxx

PHYSICAL DESCRIPTION	
Dimensions	4 MCU (7.6 in. H x 4.9 in. W x 15.8 in L) 6 MCU (7.6 in. H x 7.5 in. W x 15.3 in L)
Weight/Power	4 MCU: 14.7 lb. (6.7 kg) / 28VDC only 6 MCU: 16.08 lb. (7.3 kg) / 115 VAC and 28VDC
Mounting	ARINC 600 6 OR 4 MCU Mount
Cooling	No forced air required for 4 MCU (internal fan); per ARINC 600/404 for 6 MCU
CERTIFICATION	
Environmental	DO-160E
TSO	C119b (TCAS), C166 (ADS-B)
Software	DO-178B Level B
ADS-B Operation	RTCA/DO-260A 1090 MOPS for extended range
ADS-B Capability	> 95%
Operating Altitude	Sea level to 55,000 feet
Operating Temperature	-55 to 70 degrees C
Storage Temperature	-55 to 85 degrees C
Power Consumption	70 Watts Nominal
Maintenance	Supports OEM Maintenance Computer Interfaces
Data Loading	Compact Flash
TCAS 3000SP SUITE	
Processor Unit	Surveillance Processor
Mode S Transponder	RCZ-852 (Business & Regional Transponder) XS-950 (Air Transport Data Link Transponder) XS-950SI (Military Mode S/IFF Transponder)
Antenna	AT 910
Displays	Various
Controls	Various

ADS-B/NextGen Avionics



As part of ACSS' mission to provide avionics that enhance safety, situational awareness and efficiency, ACSS has led the industry in the development of avionics based on Automatic

Dependent Surveillance-Broadcast (ADS-B) technology. ADS-B is the cornerstone technology for the NextGen air traffic management system.

In addition to Mode S Transponders that transmit precise ADS-B Out position, speed and intent data to nearby aircraft and ATC, ACSS has a suite of SafeRoute® ADS-B In applications.

They include SafeRoute-Interval Management, In-Trail Procedures (ITP), CDTI Assisted Visual Separation (CAVS) and Surface Area Movement Management (SAMM). SafeRoute capability is an option available in the TCAS 3000SP platform.



Regional, Business & Military Customers

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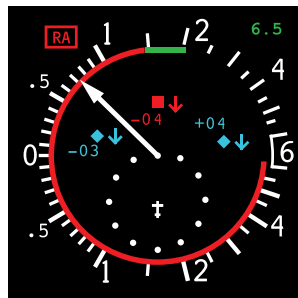
Air Transport Customers

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www.thales-avionics.com

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Fax: +1-732-494-1010

Europe, CIS, Africa & Middle East:
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