



2-MCU Class A TAWS

The Superior Strategic and Tactical Tool

The TAWS+ Terrain Awareness Warning System from ACSS brings advanced terrain prediction and avoidance technology into your cockpit in a stand-alone package providing superior functionality at lower cost. In applications where an ACSS integrated traffic management system (T²CAS[®], T³CAS[™]) is not needed, TAWS+ is the safer terrain solution.

TAWS+ has the patented Terrain Advisory Line (TAL), “Avoid Terrain” and Engine-Out features. These advanced functions encompass terrain, obstacles and airport databases. Available with standard aircraft climb rate, TAWS+ offers a unique set of enhanced features in a 2-MCU Line Replaceable Unit (LRU). An optional GPS card can be installed in the same unit, providing even greater situational awareness capability. The same capability is available as part of T²CAS and T³CAS.

KEY FEATURES & BENEFITS

- Standard of Full-Performance
- Terrain Advisory Line (TAL)
- Avoid Terrain
- Engine Out
- Turn Extrapolation
- Obstacles
- Optional Windshear
- Available as stand-alone TAWS+ or as a function within T²CAS[®] or T³CAS[™]

TAWS+performance

Building on the TAWS+ capabilities, TAWS+performance is a step beyond conventional TAWS offering the higher level of safety afforded by basing alerts on an aircraft’s actual ability to climb. Sophisticated modeling of aircraft climb capabilities provides the most complete picture for improved situational awareness. For a higher level of safety, turn to TAWS+performance.

TAWS+ ... Break the Incident Chain Early



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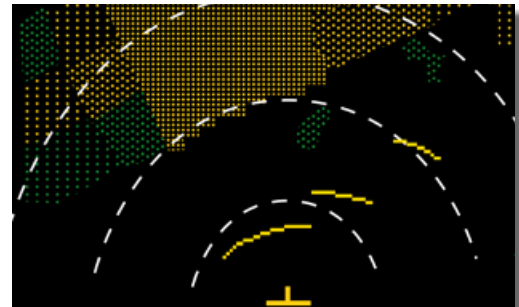
SPECIFICATIONS

TAWS+ & TAWS+performance (Terrain Awareness Warning System)
Base P/N: 9003500-XXXXX

PHYSICAL DESCRIPTION	
Dimensions	2 MCU (7.64 in. H x 2.27 in. W x 12.76 in. L)
Weight	8.5 lb. (3.86 kg)
Power	32 Watt typical
Cooling	Passive
Software	DO-160D/DO-178B
OPERATING ENVIRONMENT	
Operating Altitude	Sea level to 55,000 feet
Operating Temperature	-55 to +70 degrees C
Storage Temperature	-55 to +85 degrees C

TERRAIN ADVISORY LINE

In addition to aural and visual alerts, TAWS+ provides enhanced situational awareness with our unique Terrain Advisory Line (TAL) feature. TAL extends the conventional TAWS cautionary terrain segment relative to the current aircraft altitude. The TAL reaches out to 30° on either side of the aircraft flight path and out as far as two minutes in front of the aircraft, providing flight crews with an enhanced indication of potential hazards in the current flight path. The TAL is customizable for each operator.



FEATURE	TAWS+	TAWS+performance
Flight path predictions based on actual climb performance	✗	✓
Terrain Advisory Line	✓	✓
“Avoid Terrain” alert	✓	✓
Engine-Out performance alert	✓	✓
Turn Extrapolation	✓	✓
Landing convergence prediction	✓	✓
Suppression of Mode 1 and Mode 2 alerts while predictive look-ahead is active	✓	✓
GPS option	✓	✓

Regional, Business & Military Customers

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