

TAWS+

Standard or Full-Performance

Terrain Advisory Line (TAL)

Avoid Terrain

Engine-Out

Turn Extrapolation

Obstacles

Optional Windshear

Available as stand-alone or as
a function within T²CAS™,
T³CAS™ and TMC™

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, TMC) 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, T³CAS and TMC.

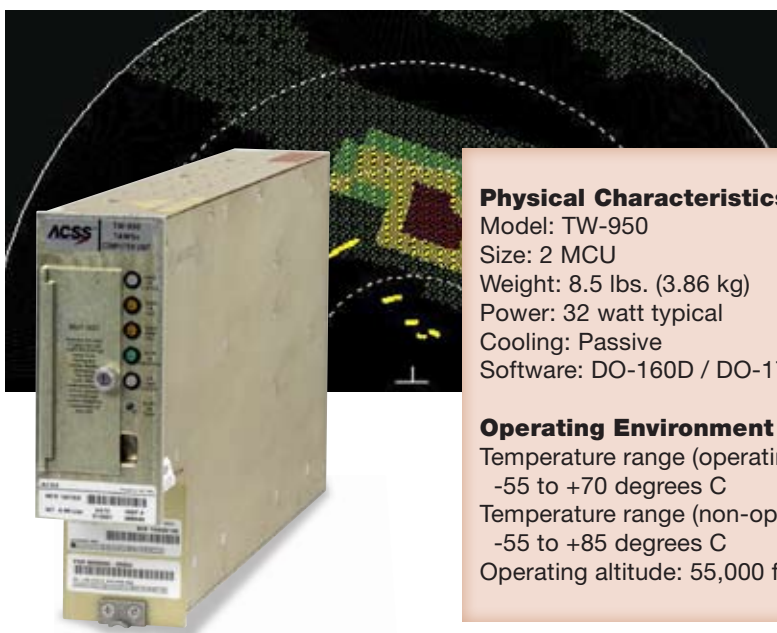
TAWS+performance

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.

Exclusive Feature

Terrain Advisory Line

In addition to aural and visual alerts, TAWS+ provides enhanced situational awareness with our unique Terrain Advisory Line (TAL) feature. Extending the conventional TAWS cautionary terrain segment – relative to the current aircraft altitude but providing no idea of where alerts will occur – 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 crew with an enhanced indication of potential hazards in the current flight path. The TAL is customizable for each operator.



Physical Characteristics

Model: TW-950
 Size: 2 MCU
 Weight: 8.5 lbs. (3.86 kg)
 Power: 32 watt typical
 Cooling: Passive
 Software: DO-160D / DO-178B

Operating Environment

Temperature range (operating):
 -55 to +70 degrees C
 Temperature range (non-operating):
 -55 to +85 degrees C
 Operating altitude: 55,000 ft.

Feature	Benefit	TAWS+	TAWS+ performance
Flight path predictions based on actual climb performance	Alerts based on aircraft's ability to avoid terrain	No	Yes
Terrain Advisory Line	Higher level of situational awareness	Yes	Yes
"Avoid Terrain" alert	Enables pilot to include a turn avoidance maneuver if pull up is not enough	Yes	Yes
Engine-Out performance alert	Alerts pilot to limited climb capability due to engine loss	Yes	Yes
Turn Extrapolation	Detects and alerts pilot to high terrain in a turn	Yes	Yes
Landing convergence prediction	Reliable predictive alerting until touchdown	Yes	Yes
Suppression of Mode 1 and Mode 2 alerts while predictive look-ahead is active	Prevents nuisance alerts	Yes	Yes
GPS option	Nav grade, independent position	Yes	Yes

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Aviation Communication & Surveillance Systems

Phoenix-based Aviation Communication & Surveillance Systems (ACSS), 70% owned by L-3 Communications and 30% owned by Thales, is a leader in safety avionics systems that increase safety, situational awareness and efficiency for aircraft operators in all phases of flight. More than 60,000 units of ACSS product are operating in commercial, corporate and military aircraft. To learn more about ACSS, please visit the company's web site at www.acss.com.

WORLDWIDE CUSTOMER SERVICE & SUPPORT

ACSS products are based on proven technology to provide you exceptionally high reliability and simplified maintenance. Support for engineering, logistics, commercial and repair support are available through our worldwide network of Customer Service Managers and Support Centers.

Customer Services are provided to aircraft manufacturers and operators. On site assistance is available to support system integration, troubleshooting, analysis, rework, retrofit and repair of ACSS equipment.

Services include AOG/Emergency Services, Repairs, Maintenance Agreements, Technical Support, Publications, Training, and Database Service.