

SANDEL®

ST3400 TAWS/RMI Terrain Awareness and Warning System



The Perfect TAWS Solution

A TSO'd, FAA-approved Class A and Class B TAWS solution, Sandel's ST3400 TAWS/RMI is the new standard in TAWS performance. Reliable, affordable and easy to install, the ST3400 is a compact, self-contained unit that enhances pilot situational awareness as it helps avoid the problem of controlled flight into terrain (CFIT).

A drop-in replacement for your aircraft's existing RMI unit, the 3-ATI ST3400 is the only TAWS that provides for a full-time terrain display in the pilot's field of view. Combining terrain and traffic alerting with topographic mapping and navigation functions, the ST3400 is the only TAWS with a Predictive Altitude™ display mode, to give pilots a full-time view of their flight situation.

Incorporating a TAWS processor, database and bright, sunlight-readable display, the ST3400 also includes our patented SandelSmart I/O, for ready compatibility with virtually all types of aircraft.

Key Features

- TSO'd and FAA-approved for Class A and Class B TAWS requirements
- Self-contained, panel-mounted unit combines terrain, traffic and NAV
- Full-time, 360-degree-viewable, sunlight-readable display
- Full-time terrain and topo mapping, with TCAS I overlays and track-based flight plans
- Patented SandelSmart I/O for analog and digital compatibility
- Direct aftermarket replacement for standard RMI units
- Easy and inexpensive to install

Sandel Avionics

ST3400 TAWS/RMI

SPECIFICATIONS & INTERFACES

Weight

3.2 lb. (1.45 kg)

Size

3ATI x 9.27 in. (23.55 cm) rear of ST3400 bezel to ST3400 rear panel
(excluding Positronics 'D' connectors)

Mounting

Flush mount or protruding bezel using rear mounted clampshell

TSO

C151b TAWS (Class A and Class B versions available)

Display

C113a Multi-Function display

Environmental

1 mega-pixel, 256 color

DO-160D

[(A2)(F1)]ZBAB[(H)(R)]XXXXXXZBABB[WW]M[XXF2]XXA

Cooling

Internal Fan, no forced air required

Power

28VDC 35 watts nominal

Weight

3.2 lbs.

Software

DO-178B, Level C

Database

Jeppesen Terrain/Obstacle and Airports/Runways

Data Loading

Front mounted mini-USB port using Windows 2000 (or later) compatible PC

Config. Module

Rear mounted plug-in aircraft configuration module

Interfaces

GPS/FMS

ARINC 429 or RS-232; includes position, flight plan data, and RMI bearing

Air Data

ARINC 429, RS-232 or Analog (Not required in Class B installations when used with approved GPS receiver supplying altitude data)

OAT

ARINC 429 or direct connect to standard probe (Required if barometric altitude is used)

Heading

ARINC 429 or XYZ

Gear/Flap

Discrete (Optional in Class B installations)

RMI

ADF: ARINC 429 DC SIN/COS or XYZ

VOR

ARINC 429 or Composite Video

Glideslope

ARINC 429 or low-level analog (Optional in Class B installations)

Radar Altimeter

0-2,000 ft. or 0-2,500 ft. (Optional in Class B installations) ARINC 565, ALT-50, ALT-55

Traffic

(TAS, TCAD and TCAS I): ARINC 429

Audio

600-ohm low-level and 8-ohm direct speaker outputs

Remote Annunciators

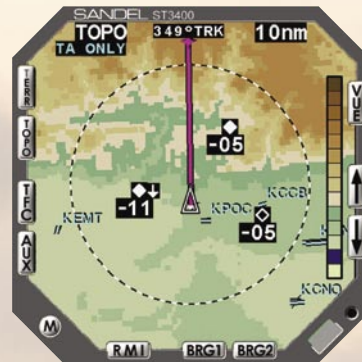
ARINC 429 or Discrete, 250ma maximum (optional)

Data Recording

10 hours of TAWS flight data, including recording of alert data, output via USB

Note: Two inputs available for each source for reversionary operation (2nd input optional)

Specifications subject to change without notice.



Sandel Avionics, Inc.

2401 Dogwood Way, Vista, CA USA 92081

Worldwide 1.760.727.4900

Fax 760.727.4899

www.sandel.com

SANDEL[®]