

ASI9122/23 and 9122E

Cockpit Pressure and Oxygen Warning System

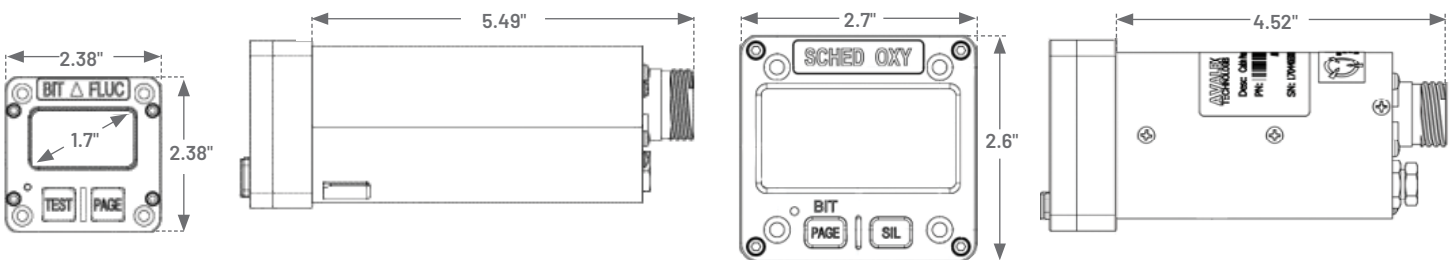
Monitor cockpit pressure and oxygen states and receive immediate warnings

- Sunlight-readable OLED display that can be styled to preference
- Aural and visible "green-is-good" LED warnings if limits are exceeded
- Standard ATI sizes
- Integrated pressure schedule with customizable visuals
- Static/pressure, data bus and integrated sensor options



Enhanced Safety Across Multiple Platforms and Missions

- Accurate monitoring and warning against dangerous cockpit pressure and oxygen states
- Static/Pressure options
- Modernized human factors with aural/visible warnings and "green-is-good" LED with graphical display
- Data capture/download capability
- Integrated pressure schedule
- Data bus options
- Integrated sensor options
- Sunlight readable OLED
- Standard ATI sizes



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Status Display

The main page features a real-time display of cockpit altitude and trend data. Advanced OLED technology makes graphical display customization possible to fit with other aircraft instrument styles.



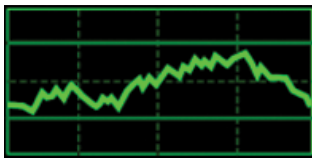
Digital altitude with rolling digits and altitude trend marker.



Digital altitude with analog-style gauge showing altitude trend.

Cockpit Schedule

All units feature a software-configurable cockpit schedule to match the platform. Pressure schedule measurements are recorded, and data can be visualized in flight and off-boarded for post-flight analysis. Real-time graph plotting can aid pilots in safety of flight decision-making.



Pilot Warnings

Cockpit schedule and partial pressure of oxygen deviations trigger warnings to alert pilots of a dangerous physiological scenario. Visual warnings are indicated both on the OLED graphical display and via dedicated indicator lights on the ASI. Additional cockpit visual and aural warnings can be triggered via discrete or data bus messages.



Schedule exceedance



Cockpit altitude high



PP0² percentage warning

SPECIFICATIONS

Connectivity

- ARINC 429
- ARINC 825 / CAN
- RS-422
- Digital-to-analog
- Discrete inputs
- Discrete outputs

Pressure

Cabin	0-25 PSIA/1.72 bar
Static	0-20 PSIA/1.38 bar

Remote Sensors

O ² Partial Pressure (ppO ²)	
O ² System Pressure	0-100 PSIA/6.89 bar
Altitude (Static)	0-20 PSIA/1.38 bar

Characteristics

Operating Temperature	-40°C to +55°C
Storage Temperature	-55°C to +85°C
Power Input	28 VDC
NVG	NVIS-B compatible
External Storage	Micro-SD card

Models

ASI9122	2 pressure ports/static/cabin
ASI9122E	2 pressure ports/larger OLED
ASI9123	1 pressure port/cabin

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