

# ASI91XX Series

Avalet Sensor Indicators

Cockpit Pressure and Oxygen Warning System



## ENHANCED SAFETY ACROSS MULTIPLE PLATFORMS AND MISSIONS.

- Accurate monitoring and warning against dangerous cockpit altitude 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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## Avalex Sensor Indicators Cockpit Pressure and Oxygen Warning System

### 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.



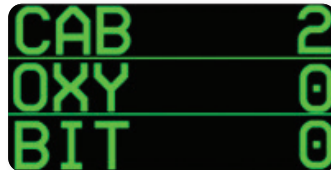
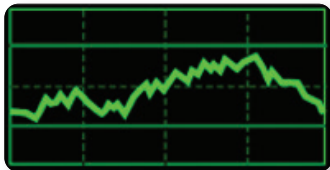
DIGITAL ALTITUDE WITH ROLLING DIGITS AND ALTITUDE TREND MARKER.



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.



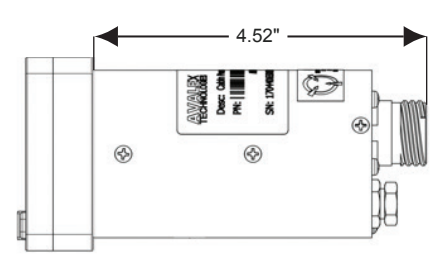
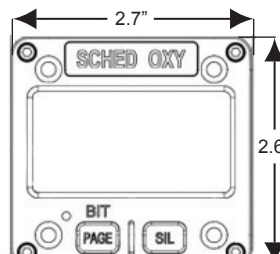
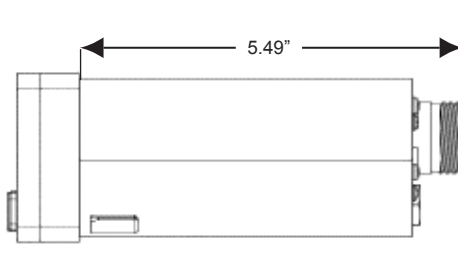
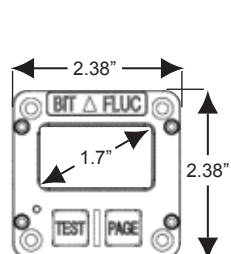
SCHEDULE EXCEEDANCE



COCKPIT ALTITUDE HIGH



PPO2 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 //

O2 Partial Pressure (ppO2)  
O2 System Pressure .....0-100 PSIA / 6.89 Bar  
Altitude (Static) .....0-20 PSIA / 1.38 Bar  
Temperature

### CHARACTERISTICS //

Operating Temperature.....-40 to +55° C  
Storage Temperature.....-55 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 Ports / Cabin