



SCI - 608 – Criteria Pollutant Sensor

Description

Sailbri Cooper’s SCI-608 is a low cost air quality monitoring solution designed for accurate highly time resolved measurement of criteria pollutant levels. The SCI -608 utilizes state of the art sensor technology enhanced with a machine learning calibration system and a convenient cloud-based data acquisition and visualization system. The monitor has been extensively field tested, is easy to install and can provide the user with real time data within minutes of setting up.

Applications

- Real Time Alternative to Samplers
- Smart Cities
- Pollution Source Identification and Locating
- Traffic Pollution Monitoring
- Industrial Fence Line Monitoring
- Emergency Monitoring
- Air Quality Model Validation
- Community Based Monitoring
- Pollution Migration Mapping



Sensor Quality Control

SCI-700 Series

Specifications

[Download Spec Sheet](#)

Measurement Performance



Pollutant	Detection Principle	Units	Range	Detection Limit	Resolution
SO2	Electrochemical Sensor	ppb	0 ~ 500	5	0.01
NO2	Electrochemical Sensor	ppb	0 ~ 500	5	0.01
CO	Electrochemical Sensor	ppm	0 ~ 50	0	0.01
O3	Electrochemical Sensor	ppb	0 ~ 500	5	0.01
PM10	Light Scattering	µg/m3	5 ~ 1000	5	1
PM 2.5	Light Scattering	µg/m3	5 ~ 1000	5	1

Operating Parameters

Power Supply	DC 12V, Solar
Power Consumption	Less than 3 watts
Operating Temperature Range	-20 to 55 oC
Atmospheric Pressure	645 to 795 mmHg
Relative Humidity	15 to 90%
Communication	GPRS (2G/3G/4G), RS332
Size	220 x 220 x 300 mm
Weight	2.6kg (5.75 lbs)
Software	Cloud: For instrument and data management. Runs on secure servers accessed via web browser
Mounting	Pole Mounting Bracket Included

Accuracy

Sail Bri Cooper's sensors have demonstrated excellent correlation with reference method sensors with correlation coefficients as follows: CO = 0.97, NO2 = 0.93, O3 = 0.975, SO2 = 0.89, PM2.5 = 0.96, PM10 = 0.8

CONTACT INFORMATION

Sailbri Cooper Inc
9403 SW Nimbus Ave.
Beaverton Or 97008

Phone:
(503) 670-8127

Email:
info@sci-cooper.com



USEFUL LINKS

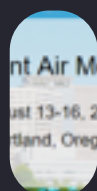
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UPCOMING CONFERENCES



**Air Sensors
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