AIR ENVIRONMENT CONSULTING

SCENTROID SS600

SIX STATION AUTOMATED OLFACTOMETER LABORATORY

Scentroid SS600 is the world's most advanced stationary, dynamic, and fully automated olfactometer. It is capable of odour measurement and analysis to all international olfactometery standards: AS/NZS4323.3, EN13725:2003, ASTM E679-04, NVN2820, VDI 3881, GB/T14675-93

EFFICIENCY

The SS600 is the most efficient olfactometer on the market
Each sample analysis round of six steps will take less than 3 minutes to complete.
Hardware and software has been meticulously designed to minimize test time and sample consumption.

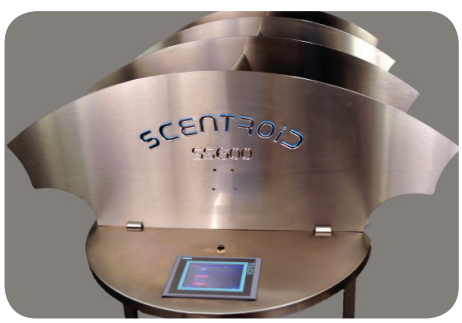
FULL CAPABILITY

SS600 can perform any odour test mode you require including a true three port triangular forced choice as well as Binary, Hedonic tone, and Direct Presentation.

RELIABILITY

No PCS AND NO CONSUMER PARTS

All equipment used on the Scentroid SS600 are certified for industrial use. Siemens control hardware and machine interface coupled with specialized stainless steel valves, mass flow controllers, and regulators ensures unprecedented reliability.



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SPECIFICATIONS

SS600

Manufacturer	IDES CANADA INC
Model	Scentroid – SS600
Test Modes	Triangular Forced, Binary Forced , Direct Presentation, Hedonic Tone, GB Source, GB Boundry
Panels	Six panellist stations and one administrator stations
Dilution Principle	Stainless Steel Venturi Vacuum Pump
Control Mechanism	Mass flow controllers on sample air intake & Mass flowmeter on diluting clean air
Dilution Range	2^2 to 2^{14} Optional range 2^{19}
Dilution Steps	Variable
Dilution Sequence	Selectable: Increasing or Decreasing dilution series
Accuracy	Error less than 5%
Pres. Flow Rate	Variable: 5 lpm to 30 lpm
Velocity (m/s)	0.25 m/s at 20 lpm
Sample analysis time	7 minutes for 3 rounds with 5 dilution step per round and 10 second sniff time
Sample Consumption	Typical: less than 10 L for 3 rounds with 5 dilution steps and 15 second sniff time
Control	Siemens industrial controller (PLC)
Display and Interface	Siemens 8" full color touch-screen for administrator station & a 6" touch-screen for each of the panelist stations
Data Processing	Test data including end-criteria and statistics processed through PLC. Collected data formatted and presented as comaseparated to be used in excel or other post data processing software
Display Language	English, French*, German*, and Spanish, Mandarin, Cantonese(*optional)
Presentation	3 Stainless Steel Sniffing Ports per station
Wetted Material	Stainless Steel on all odour surfaces
Dimension	330 cm x 120 cm
Weight	150 kg
Standards	EN13725:2003, ASTM E679-04, NVN2820, VDI 3881, AS4323.3

FEATURES...

1. SIMULTANEOUS SIX PANEL ODOUR ANALYSIS

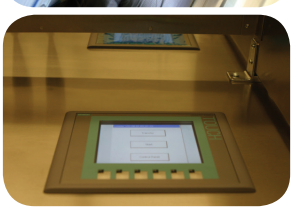
The SS600 provides six stations for odour panellists and a dedicated station for the test administrator. Each panellist station is equipped with three stainless steel sniffing ports and a 6" industrial.

2. DEDICATED ADMINISTRATOR STATION

All information entered by the panelists as well as all details of the test in progress are shown to the administrator via 8" industrial touchscreen.

3. SOFTWARE RELIABILITY

Scentroid SS600 uses Siemens industrial PLC to ensure fast and reliable control of pumps, mass flow controllers and solenoid valves



4. ZERO CONTAMINATION

All mass flow controllers, solenoid valves have 100% stainless steel wetted surfaces. All tubing, nose masks, even table and dividers are also made of stainless steel ensuring no contamination or odour residual.

5. STANDARDS

SCENTROID SS600 not only meets, but exceeds all industrial standards for dynamic olfactometers

AS/NZS4323.3 / EN13725:2003 / ASTM E679-0 / NVN2820 / VDI 3881 / GB/T14675-93

6. AUTOMATED PURGING

All mass flow controllers are automatically purged using Scentroid's automated purging technology. High frequency pulses of high pressure air are used in reverse direction to remove all contamination and debris from the sensing surfaces of the mass flow controller. Built-in electric line heaters is automaticaly used to quickly clean all sample and delivery lines.

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