

SS600

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SCENTROID SS600

SIX STATION AUTOMATED LABORATORY OLFACTOMETER

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 olfactometry standards: EN13725:2003, ASTM E679-04, NVN2820, VDI 3881, GB/T14675-93

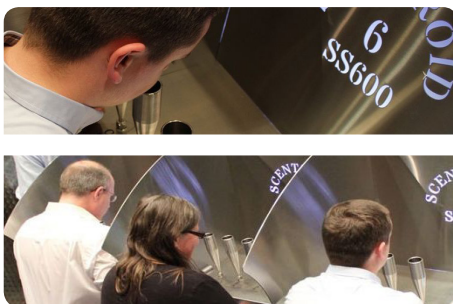
EFFICIENCY

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, Yes/No, 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

| | |
|-----------------------|---|
| Manufacturer | SCENTROID |
| Model | Scentroid – SS600 |
| Test Modes | Triangular Forced, Binary Forced, YES/NO, 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 ¹⁷ Optional range 2 ²⁴ |
| 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 | 5 minutes for 3 rounds with 5 dilution step per round and 15 second sniff time |
| Sample Consumption | Typical: less than 10 L for 3 rounds with 5 dilution steps and 15 second sniff time |
| Control | Siemens next generation industrial controller (PLC) |
| Display and Interface | Siemens 8" full color touch-screen for administrator station & a 6" touch-screen for each of the panellist 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, Turkish, Arabic, Mandarin, Cantonese |
| 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 touchscreen.



2. DEDICATED ADMINISTRATOR STATION

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



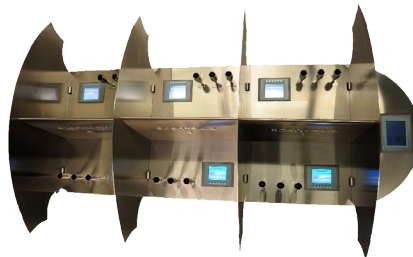
3. SOFTWARE RELIABILITY

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.



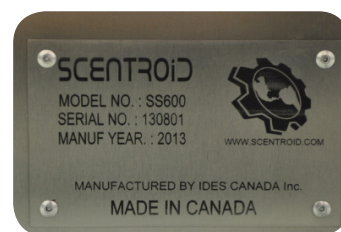
5. STANDARDS

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

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 automatically used to quickly clean all sample and delivery lines.



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