The all new SCENTROID SC300 is the world’s most advanced mobile olfactometer.
Every situation is unique and every client’s requirement is different. At IDES we strive to build a lasting association through close communication, and personal relationships.

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- Australia

IDES CANADA HAS THE LARGEST GROWTH OF SALES IN THE INDUSTRY ... IN THE WORLD!
### FEATURES

**EXCEEDS ALL STANDARDS**

SCENTROID SC300 not only meets, but exceeds all international standards for olfactometry.
- EN13725:2003
- ASTM E679-04
- NVN2820
- VDI 3881
- GB/T14675-93

**DEPLOYS ANYWHERE IN MINUTES**

Deployment simply requires connecting the power cord to a standard 120/240 VAC outlet and connecting the pneumatic hose between the air supply sub-system and the control Sub-system. The air sub-system provides clean air regardless of ambient air through its incorporated oil-free pump, HEPA Filter, carbon filter, no-maintenance membrane air dryer, and regulator.

**UNPRECEDENTED DILUTION RANGE**

Dilution range of 2 to $2^{14}$ with variable step size to a maximum of 1000 steps in between surpasses any other commercially available mobile olfactometer.

**A Dedicated Administrator and Panelist stations**

Test administrator can view live results, analyze data, and control the test using the dedicated admin station with the Siemens 8” Touch screen.

A dedicated panelist screen directs and collects information from the panelists.

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**ZERO CONTAMINATION**

All mass flow controllers and solenoid valves have 100% stainless steel wetted surfaces. Tubing and nose pieces are also made of stainless steel to resist contamination and odour residue.

*Scentroid’s patented Pulse Jet purging* is automatically deployed when needed to ensures the unit is always kept clean and ready for use.

**PORTABILITY**

The SC300 is built into two rugged waterproof Pelican® cases weighing less than 20 Kg each for ease of transportation via commercial airliners. Designed to be waterproof and shockproof (Military Standards MIL C-4150J and Def Stan 81-41) in order to withstand the harshest travel conditions.

**USER FRIENDLY INTERFACE**

Built-in Siemens 8” touch-screen panel provides all necessary information and aids the user through the process, making SCENTROID SC300 the most user friendly olfactometer on the market.

**THREE SNiffING PORTS**

The SC300 uses three stainless steel sniffing ports for full triangular odour analysis in accordance to EN and GB Standards. The instrument will automatically shut down one or two of the sniffing ports for Binary or Hedonic Tone Testing.

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**100% SOFTWARE RELIABILITY**

The SC300 uses Siemens industrial PLC to ensure fast and dependable control of pumps, mass flow controllers and solenoid valves.
## TECHNICAL SPECS

<table>
<thead>
<tr>
<th>Manufacture</th>
<th>IDES CANADA INC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>SC300</td>
</tr>
<tr>
<td>Testing Modes</td>
<td>Triangular Forced Choice, Binary Forced Choice, Direct Presentation, Hedonic Tone, GB Source, and GB boundary</td>
</tr>
<tr>
<td>Dilution Principle</td>
<td>Venturi Eductor</td>
</tr>
<tr>
<td>Control Mechanism</td>
<td>Mass flow controllers on both clean air and sample air intake</td>
</tr>
<tr>
<td>Dilution Range</td>
<td>$2^2$ to $2^{14}$</td>
</tr>
<tr>
<td>Dilution Steps</td>
<td>Variable</td>
</tr>
<tr>
<td>Accuracy</td>
<td>Error less than 5% or</td>
</tr>
<tr>
<td>Pres. Flow Rate</td>
<td>Variable: 5 lpm to 30 lpm</td>
</tr>
<tr>
<td>Presentation Velocity</td>
<td>0.25 m/s at 20-lpm</td>
</tr>
<tr>
<td>Response time</td>
<td>0.2 s</td>
</tr>
<tr>
<td>Sample Delivery</td>
<td>Adjustable</td>
</tr>
<tr>
<td>Control</td>
<td>Siemens PLC</td>
</tr>
<tr>
<td>Computer Interface</td>
<td>Ethernet Network/USB</td>
</tr>
<tr>
<td>Display and Interface</td>
<td>Siemens industrial 8” full color touch-screen</td>
</tr>
<tr>
<td>Data Processing</td>
<td>Test data including end-criteria and statistics processed through PLC.</td>
</tr>
<tr>
<td>Display Language</td>
<td>English, Chinese, French*, German*, and Spanish* (*optional)</td>
</tr>
</tbody>
</table>

### STANDARDS

SCENTROID not only meets, but exceeds all industrial standards for dynamic olfactometers:
- EN13725:2003
- ASTM E679-04
- NVN2820
- VDI 3881
- GB/T14675-3
CAPABILITIES

Accurate Dilution
Scentroid is industry’s first olfactometer that uses high-accuracy mass flow controllers to monitor and adjust both the sample air and the clean diluting air, ensuring accurate dilution ratio regardless of variations in ambient pressure or temperature.

Comprehensive Test Modes
The SC300 can perform any number of test modes as dictated in the international olfactometry standards, such as:
- Triangular Forced Choice
- Direct Presentation
- GB source
- Binary Forced Choice
- Hedonic Tone
- GB Boundary

Designed for Mobility and Durability to Military Standards
SCENTROID SC300 is built into two rugged watertight Pelican® cases weighing less than 23kg each for ease of transportation via commercial airliners. Designed to be waterproof and shockproof (Military Standards MIL C-4150J and Def Stan 81-41) in order to withstand the harshest travel conditions.

Ease of Use
Scentroid SC300 comes with comprehensive on-line and video training courses. Administrator training requires only three hours and panelist training only 10 minutes.

No Contamination or Odour Residual
All mass flow controllers, solenoid valves have 100% stainless steel wetted surfaces. All tubing used and and nose masks are also made of stainless steel ensuring no contamination or odour residual. Scentroid’s patented pulse jet purging technology ensures maximum of 6 seconds purging regardless of the sample strength or composition.

Modular Design
SCENTROID SC300 has two modules, each built into a Pelican case for mobility and ease of deployment. Control module houses SCENTROID’s PLC, touch-screen panel, and nose piece as well as all pneumatic hardware to draw in and mix the sample air with clean diluting air.

Compatibility with Laboratory Data Management Systems
The SC300 is fully compatible with any of the data management systems used in laboratories. An optional bar code scanner will allow you to simply scan the bar code of each sample to remove the element of user errors.

Industrial Control System
SCENTROID SC300 is controlled by a powerful Siemens PLC to provide real-time control without the risk of software crashes. Industrial 8” colour touch-screen panel provides multi-language and user friendly interface for panelists and test administrators. All data is processed and displayed instantously to the administrator as well as stored in a comma separated file (CSV) that can be copied to a USB memory stick.
FLEXIBLE AND USER FRIENDLY INTERFACE
The two built-in Siemens touch screens provides all necessary information, and aids the administrator and Panelists through the process.
DEPLOYS ANYWHERE IN MINUTES
DEDICATED ADMIN AND PANELIST STATIONS
ALL STAINLESS STEEL

SCENTROID
Mobile Olfactometer
Model: SC300
IDES CANADA INC
www.idescanada.com