



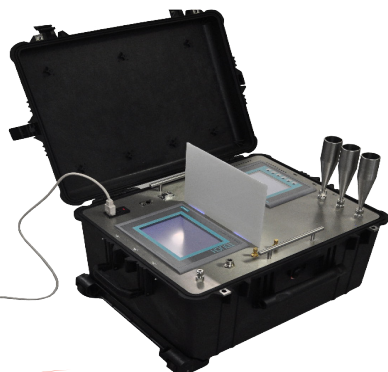
# SCENTROID SC300

## Advance Mobile Olfactometer

**S**centroid SC300 is the world's most advanced mobile 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

### ► FULL ODOUR LABORATORY IN A CASE!

The SC300 will allow a full odour lab to be deployed anywhere in a matter of minutes. There is no need for dedicated lab space. Simply plug in the SC300 and start analyzing odours to all international standards.



### ► FULL CAPABILITY

SC300 can perform any odour test mode you require including a true 3 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 SC300 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

SC300

Manufacturer	SCENTROID
Model	SC300
Testing Modes	Triangular Forced Choice, Binary Forced Choice, Direct Presentation, Hedonic Tone, GB Source, and GB boundry
Dilution Principle	Venturi Eductor
Control Mechanism	Mass flow controllers on both clean air and sample air intake
Dilution Range	2 to 2 optional range 2
Dilution Steps	Variable
Accuracy	Error less than %5
Pres. Flow Rate	Variable: 5 lpm to 30 lpm
Presentation Velocity	0.25 m/s at -20lpm
Response Time	0.2 s
Sample Delivery	Adjustable
Control	Siemens PLC
Computer Interface	Ethernet Network/USB
Display and Interface	Siemens industrial 8" full colour touch-screen
Data Processing	Test data including end-criteria and statistics processed through PLC
Available Language	English, Chinese, French*, German*, and Spanish* (*optional)



## FEATURES...

### 1. PORTABILITY

The SC300 is built into two rugged waterproof Pelican® cases weighing less than 20 Kg each for ease of transportation. There are no additional software or hardware required to conduct full olfactometry analysis.



### 2. DEDICATED ADMINISTRATOR STATION

Test administrator can view live results, analyze data, and control the test using the dedicated Admin Station with the Siemens 8" touch screen.



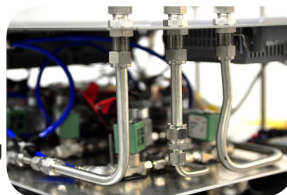
### 3. SOFTWARE RELIABILITY

Scentroid SC300 uses Siemens industrial PLC with real -time operating system to ensure reliable operation and a seamless integration with EEG and fNIR instruments.



### 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 SC300 not only meets, but exceeds all industrial standards for dynamic olfactometers

EN13725:2003 / ASTM E04-679 / NVN2820 / VDI 3881 / GB/T93-14675

### 6. DEPLOYS ANYWHERE IN MINUTES:

Deployment simply requires connecting the power cord to a standard 240/120 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.

### 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. Hot air from the SP15 Purger can be used to quickly clean all sample and delivery lines



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