



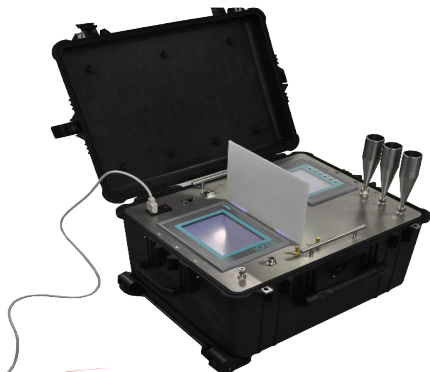
# SCENTROID SC300-P

## Scientific Olfactometer with EEG Capabilities

**S**centroid SC300-P is a specialized multi-sensory olfactometer with EEG and fNIR capabilities for advance psychological and physiological research and treatment. The SC300-P has been used by researchers and doctors to research and treat a variety of disorders including Traumatic Post Stress disorder.

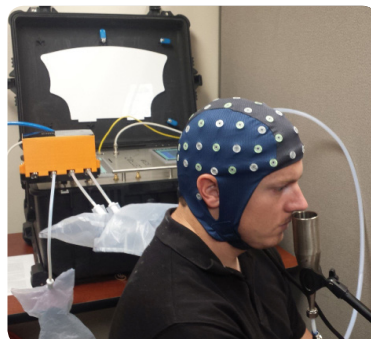
### ► A COMPLETE MULTI-SENSORY OLFACTOMETER

The SC300-P is more than just an olfactometer, but a true multi-sensory stimuli instrument. Up to 8 odours can be connected to the instrument and programmed to be administered to the panellist at various concentrations. Images, videos, and audio stimuli can be simultaneously administered by the SC300-P via its external monitor to provide a complete sensory immersion.



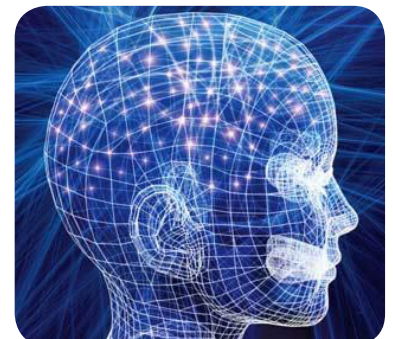
### ► COMPREHENSIVE LIBRARY OF TEST MODES

SC300-P can perform a variety of test modes and can be easily programmed to complete custom experiments. Select the stimuli required (odour, audio, video, or image), the duration of each, randomize them, request panellist surveys, and much more to create your own experiment. The flexibility of the SC300-P makes it an ideal solution for any research project.



### ► EEG, fNIR, AND EPRIME CONNECTIVITY

The SC300-P seamlessly integrates with EEG and fNIR machines to provide simultaneous stimuli reading from the panellists. Trigger signals will provide clear reference on which stimuli was being administered. EPrime connectivity allows the SC300-P to act as master or as part of a large network of instruments in a comprehensive study.



**SCENTROID**  
431 Alden Road. #3  
Markham, ON, L3R 3L4

**CONTACT US**  
Local: +1.416.479.0078  
Toll-Free 1.888.988.IDES (4337)

**WEB AND EMAIL**  
Email: [info@scentroid.com](mailto:info@scentroid.com)  
[www.scentroid.com](http://www.scentroid.com)

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# SPECIFICATIONS

Manufacturer	SCENTROID
Model	SC300P
Testing Modes	Sensitivity analysis, Audio/Olfactory pulse presentation, Psychological video/olfactory analysis, custom audio/olfactory/image test mode.
Visual Interface	Large 32" touch screen and Siemens industrial 6" touch screen for sensitivity analysis
Audio Interface	Built in speakers with Dolby digital surround sound
Olfactory Interface	Choice of sniffing port or half-face disposable masks
Dilution Steps	Variable
Number of simultaneous odour presentations	4 upgradable to 8
Pres. Flow Rate	Variable: 5 lpm to 30 lpm
EEG interface	RS232
FNIR interface	RS232
EPrime interface	RS232, USB, Ethernet optional
Control Hardware	Siemens industrial real time controller
Test Administrator interface	Siemens industrial 8" full colour touch-screen
Display Language	English, Chinese, French, German, Turkish and Spanish

## FEATURES...

### 1. Complete Solution

The SC300-P is built into two rugged water-proof Pelican® cases weighing less than 20 Kg each for ease of transportation. There are no additional software or hardware required to conduct full olfactory, visual, and auditorial psychological or physiological evaluation.



### 2. DEDICATED ADMINISTRATOR STATION

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



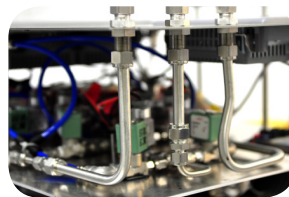
### 3. SOFTWARE RELIABILITY

Scentroid SC300-P (Scientific Olfactometer with EEG Capabilities) 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. TEST MODES

SCENTROID SC300-P is loaded with a variety of physiological and psychological test modes such as olfactory/audio psychological evaluation where pulses of odour and visual stimuli are presented in fixed or randomly determined intervals. Other test modes can be easily programmed by the user through the system's easy-to-use graphical interface.

### 6. MULTI-ODOUR STIMULATION

The SC300-P can load up to 8 odours simultaneously. The odours are pulled automatically into the SC300-P using vacuum rather than pressurization. Ensuring reliable samples that can be created in the laboratory or obtained directly from the environment.

### 6. ODOUR LIBRARY

SCENTROID provides a wide selection of odours in the odour library that can be used to simulate nearly every odour possible. The odours come in liquid format that are then accurately vaporized to exact concentration using Scentroid's patented sensitivity kits.



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