

# SC300 PORTABLE OLFACTOMETER

World's Most Advanced Mobile Olfactometry Device



Scentroid's SC300 Portable Olfactometer is the world's most advanced mobile olfactometer. It allows for 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.



### Use the SC300 to:

- Conduct on-site odour measurements
- Determine odour concentration in OU / m3, as per the recognized EN13725 standard
- Conduct a hedonic tone (pleasant to unpleasant) assessment of odour emissions
- Determine odour concentration in accordance with recognized Chinese and Japanese standards (GB/T14675-93)
- Conduct panellist training and N. Butanol screening
- Employ binary, triangular, yes/no, and direct presentation methods
- Conduct odour assessments from petrochemical, oil refineries, and agricultural sources due to unparalleled contamination control technology

### Most Utilized Industries:

- ▶ Lab & Research
- ▶ Health & Medical



### Durability & Mobility Standard

Built into two rugged pelican cases. Designed to be waterproof and shockproof to Military standards MIL C-4150J & DefStand 81-41



### Patented Control Algorithm

A unique control algorithm optimizes performance and dilution accuracy while minimizing sample consumption



### International Standards

Adheres to all international olfactometry standards: EN13725:2022, ASTM E679-04, NVN2820, VDI 3881, GB/T14675-93



### Automated Purging

All mass flow controllers are automatically purged using Scentroid's automated purging technology



### Unprecedented Dilution Range

Dilution range of 8-131,072 (2<sup>3</sup> – 2<sup>17</sup>) with variable step size to a max. of 1000 steps in-between surpasses any other commercially available mobile olfactometer



### Deploys in Minutes

Deployment simply requires connecting the power cord to a standard 120/240 VAC outlet and connecting the air supply hose

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



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