

# SM100i Intelligent Olfactometer

Portable Olfactometer

Our SM100i Intelligent Olfactometer draws a sample of ambient air via the Venturi pump and dilutes it using fresh, odourless air from a compressed air tank. The SM100i takes out all the guesswork from personal olfactometry because it automatically screens panellists and conducts a Yes/No test mode to determine accurate odour concentration and hedonic tones. Each SM100i requires no sample bags, no filters to change, and no pumps or other moving parts to maintain. An instrument you can rely on.

Scentroid's SM100i conducts a full odour analysis in accordance with the international EN13725 standard. The SM100i can analyze from a sample bag or be deployed in the field for direct olfactometry and ambient odor measurements. In addition to odor concentration (in OU) the SM100i (with the use of the wearable OdoTracker) can also automatically record Ammonia (NH<sub>3</sub>) and Hydrogen Sulphide (H<sub>2</sub>S) in real-time.

## Specifications

<b>Product Name</b>	Scentroid SM100i
<b>Dilution Range</b>	2 - 30,000 (2 <sup>15</sup> ) Ou/m <sup>3</sup>
<b>Dilution Principle</b>	Stainless Steel Educator
<b>Number of Steps</b>	15 (adjustable range)
<b>Air Supply Capacity</b>	15 minutes
<b>Pressure Flow Rate</b>	20 liters per minute
<b>Presentation Velocity</b>	0.3
<b>Tank Pressure</b>	4500 PSI
<b>Face Mask</b>	Half face PTFE
<b>Port</b>	PTFE Sniffing Port
<b>Wetted Material</b>	Stainless Steel and PTFE
<b>Battery</b>	Rechargeable Lithium-ion with 36h Capacity per Charge
<b>Communication</b>	Bluetooth
<b>Dimensions</b>	15" x 6" x 6"
<b>Weight</b>	8 lbs
<b>Power Requirements</b>	None, battery operated