



SM100 PORTABLE OLFACTOMETER

In-Field Odour Measurement

Scentroid's SM100 is the world's only in-field odour measuring device that allows users to accurately quantify ambient odour strength in OU/m³. This revolutionary device offers an easy-to-use and cost effective alternative to estimating odour strength or using expensive odour measuring laboratories. Plus, using the SM100 helps to avoid sample degradation caused by shipping (time, temperature, and pressure) to the nearest lab!

Easy to Use

1 The SM100 draws a sample of ambient air via venturi pump and dilutes it using fresh odourless air from a compressed air tank.

2 The operator uses an adjustable sliding valve to control the ratio of fresh to ambient air, which is then fed through a sliding valve into the PTFE face mask.

3 The valve position indicator displays the sample strength (Dilution to Threshold or OU).

4 The SM100 requires no sample bags, no filters to change, no pumps or other moving parts to maintain.



Air Supply Capability

20 minutes per tank of air, allowing for 15-20 samples per tank



Dilution Range

2 - 30,000, using 15 dilution steps (based off of calibration plates)



Accuracy

Exceptional accuracy, meeting standards EN13725 and ASTM E679 for olfactometer design



Light and Portable Design

The reduced size and weight of the SM100 ensures that you can take it on any odour adventure



Unparalleled Reliability

All parts have been meticulously tested using Scentroid's ISO9001 certified quality management system

On-Site Package

You'll receive all 5 calibration plates, a 2nd air tank, durable carrying case, fill station, and a sample port adaptor.

Upgrade Available

Ability to upgrade to the SM100i removing the manual adjustment of dilution steps.

Dimensions: 16" x 6" x 6" Weight: 8 lbs



Comparison to Lab. Olfactometer:

Sample	Lab Results (OU)	SM100i Results (OU)
1	116	94
2	108	164
3	139	131
4	201	219
5	1846	1441

Comparative study between SM100 and EN13725 odour laboratory

Use the SM100 to...

- Perform odour assessments and identify sources
- Determine odour mitigation effectiveness
- Monitor emission compliance and conduct N-butanol screening

Conduct odour measurements from...

- Ambient air without any additional sampling equipment
- Directly from smoke stacks or filter inlets
- Flux chamber
- Air samples in PTFE/Tedlar bags



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