



SM100i

INTELLIGENT

OLFACTOMETER

In-Field Odour Measurement

This SM100i can conduct a full odour analysis in full accordance to the international EN13725 standard. The SM100i can analyze from a sample bag or be deployed in the field for direct olfactometry and ambient odour measurement. In addition to odour concentration (in OU) the SM100i with the use of the wearable TR8 OdoTracker can also automatically record Ammonia (NH₃) and Hydrogen Sulphide (H₂S) in real-time.

Easy to Use

1 The SM100i draws a sample of ambient air via venturi pump and dilutes it using fresh odourless air from a compressed air tank.

2 The SM100i takes out all the guesswork from personal olfactometry.

3 It automatically screens panelists and conducts a YES/NO test mode to determine accurate odour concentration and hedonic tones.

4 The SM100i 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 - 10,000, 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 SM100i 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 systems, ensuring years of service



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

The Full Package

You'll receive an Android smartphone, water proof case, face mask, back pack, wind meter, fill station, 2 air tanks, sniffing port, 3x chargers, and all 5 calibration plates

Sample Input Port

Connect the SM100i directly to a stack, flux chamber, wind tunnel, static hood, or any source sampler



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 SM100i and EN13725 odour laboratory

Use the SM100i 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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