

Opacity Meter

-  Light & 4WD vehicles
-  Heavy vehicles
-  Airport vehicles
-  Farming & agricultural vehicles
-  Mining equipment

The AutoSmoke Opacity Meter is a portable emissions testing solution designed to accurately measure diesel exhaust smoke opacity for compliance testing, diagnostics and fleet maintenance applications. Ideal for workshops, inspection stations and heavy vehicle operators, it delivers fast, reliable results while integrating seamlessly with the AutoGas 4 and AutoGas 5 to provide a complete vehicle emissions testing solution.

Compliant with:

- All Australian state and territory regulations
- MOT approved and connected
- OIML R99 Class 0 (ISO 3930)

Why Choose The AutoSmoke Opacity Meter

- Compact, lightweight and easy-to-use design
- Integrates with the AutoGas 4 and AutoGas 5 for complete emissions testing
- Wi-Fi connectivity and PC software
- Automatic calibration for consistent, reliable results
- Backed by local support, calibration and service in Melbourne



Learn More About
The AutoSmoke
Opacity Meter



Smoke Testing in 3 Easy Steps

- 1 Connect & Prepare**
Connect the AutoSmoke to your PC, select the vehicle details and ensure the engine is at normal operating temperature.
- 2 Run Smoke Test**
Insert the sampling probe into the exhaust and follow the guided on-screen test procedure.
- 3 Review & Save Results**
Instantly view real time readings, smoke opacity results and generate a detailed test report for your records.

**AUTO
TEST**
Products Pty Ltd®

AutoTest Products Pty Ltd
69 Parsons Street
Kensington, VIC 3031
Australia

(+61) 3 8840 3000

sales@autotest.net.au

 **Warranty: 12 months**

Note: Outer appearance and specifications are subject to change without prior notice





Standard Inclusions

- ✓ Opacity Meter chamber
- ✓ Power supply and cables
- ✓ Sampling probe
- ✓ Communication connector

Optional Upgrades

- + AutoGas 4 or 5 for complete emissions testing

Product Specifications

Measurement Performance

- Resolution: 0.1% or 0.01 m⁻¹
- Accuracy: <1.0% opacity across the full range
- Effective optical length: 215mm ± 0.5mm
- Physical response time: <0.2 seconds
- Electrical response time: 0.9 seconds

Optical System

- Light source: LED, 560nm ±10nm spectral peak
- Light detector: 560nm ±10nm peak spectral response

Power

- Power supply: 13.5V DC or 110-230V AC
- Power consumption: 65W
- Battery: Built-in rechargeable battery

Physical Characteristics

- Dimensions: 200 × 400 × 170mm
- Weight: 9kg

Operating Conditions

- Warm-up time: 3 to 6 minutes
- Operating temperature: +2°C to +40°C
- Humidity range: 30% to 90%
- Storage temperature: -32°C to +55°C

