



Smoke Meter

The Model 6500 smoke opacity meter provides a simple and accurate means of detecting and measuring the opacity of smoke being emitted by a diesel engine. It encourages proper maintenance for improved fuel economy and protection of the environment. Designed to meet or exceed all the specifications required in SAE J1667, this easy to use meter is used by fleets, regulatory agencies and OEM laboratories around the world.

- Stores up to 100 tests.
- Designed for simplicity, portability and consistent reliability.
- Accurate to within 1% of readings in both artificial and direct lighting.
- Optional sensor styles to suit any application. In-line systems are available.
- Custom designed circuitry assures high reliability without noise interference, or fluctuations in ambient temperatures.
- Allows for testing in both a "snap -idle" mode, or "follow mode". Both tests can be performed in either raw or filtered data.
- Available with full flow or partial flow sensor head. Both sensor heads use the same transmitter and receiver, and can be easily interchanged. Expanded yokes allow for readings up to 24" stacks.
- SAE J1667 Compliant
- Reliable
- Accurate
- Easy to Operate
- Low Maintenance
- Very Portable
- Interface to CPU
- Available in 220V
- Reads in density and opacity

Model 6500 Specifications

Accuracy of operating readouts	± 1 digit
Operating temperature	32 to 120 °F
Minimum drift	zero stability less than 1% per use
Power	12V sealed lead-acid cell
Battery life	~40 hours between charges
Weight (including case)	~25 pounds

Each Smoke Meter kit includes:

- Full or partial flow sensor head
- Control Unit with recorder jack, printer interface
- Stack piece (7") source and detector
- Mounting clamp magnet and band (for 5" Ø stack)
- AC adapter/charger, available in 220V
- Connecting cable (25 ft.)
- CPU interface with software included
- Melles Griot neutral density filter (0.2)
- Portable impact printer
- Extension pole
- Instruction manual
- Carrying case
- One year warranty, parts and labor