

Diesel Smoke Meter



GARAGE EQUIPMENT
since 1922



Part No.: TD/MDS/350

*See overleaf for
more information*

- Approved for all classes of MOT diesel smoke testing
- Patented Class 1 category diesel engine smoke tester
- Compact, lightweight & low maintenance measurement unit
- Patented linearity test, automatic operated check without filter test
- Large workstation cabinet
- Bluetooth communications as standard
- A4 WiFi direct printer
- Options include NOx testing for diesel engines
- Rapid warmup with daily calibration check
- Calibrated by UKAS accredited Tecalemit engineers

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→ About the TD/MDS/350

The TD/MDS/350 smoke meter is a standalone modular emission tester housed in a large workstation cabinet which is mounted on 4 large castor wheels for increased manoeuvrability.

The cabinet houses the power supply, communication modules and provides storage for probes and hoses. The Class I category diesel smoke chamber communicates with the control system via cable-free Bluetooth. The smoke chamber itself can be located anywhere within a 100m range of the cabinet and requires a separate 240v power supply for the transformer which reduces the operating voltage to 24vDC, conforming to recognised H&S requirements.

Test results can be transmitted to the A4 Inkjet printer (included with the package). The printer must be located separately, within an office area and paired directly via Wi-Fi to the emission tester mini PC. The range is subject to physical barriers and other wireless devices being used in the vicinity. The printer should be located no more than 10m from the mini PC.

The TD/MDS/350 can be upgraded to include NOx modules for diesel emission analysis at an additional cost.

→ Part Nos. & Ordering Information

Smoke Meter with large workstation cabinet,
PC & Wi-Fi printer.....TD/MDS/350

→ Options & Accessories

*NOx Module diesel engine.....AVL/VM7633
Probe for vertical exhausts.....OA/62334
Laptop option in place of PC, monitor
and keyboard.....TGD/LAPTOP
**Module must be ordered at the time
original equipment ordered*

→ Measurement Data

	Measurement range	Resolution
Opacity	0-100%	0.1%
Absorption (K val)	0 - 99.99	0.01
Acceleration time	0-5 secs	0.005 secs
Oil temp.....	0-150°C	
Operating temp.....	5-45°C	
Storage temp.....	-20 - 60°C	
Air humidity.....	Max 90% no condensing	
Power requirements.....	230V	
Bluetooth class.....	1	
Printer.....	A4 Inkjet	
Printer communication.....	WiFi direct	

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