

# Combined Emission Tester



GARAGE EQUIPMENT  
since 1922



Part No.: TGD/MDS

See overleaf for more information

- Combined smoke meter & 4 gas analyser - DVSA approved for all Classes of MOT testing
- Single annual calibration for both smoke and gas - Reduced MOT calibration downtime
- Gas bench requires no warm up time - No waiting to start testing
- 240v Bluetooth smoke meter - Continuously maintains operating temperature
- Integral RPM measurement device - Magnetic pick up for easy RPM measurement
- Windows PC operating system & A4 printer - Familiar user operating interface
- 21.5" LCD flat screen monitor - High visibility for ease of use
- Large roller cabinet - Mobile storage for consumables and printer
- Tecalemit Warranty & Calibration Packages - Choose up to 5 years peace of mind
- Optional wireless EOBD interface - Enables RPM and oil temperature measurements

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## → About the TGD/MDS

The Tecalemit TGD/MDS is a modular Combined Emission Tester which as standard, incorporates a bluetooth smoke head and a PC using a windows operating system, all housed in a stylish cabinet. The gas bench has no warm-up time, meaning you can start work immediately.

The smoke meter is Bluetooth Class 1 approved with a range of up to 100 metres. It is mains powered, 240v AC, with a 24v DC transformer protected to IP65. Being mains powered, the smoke meter is continuously maintained at operating temperature and does not require re-charge or replacement of expensive batteries, which over the long term can prove an expensive maintenance cost.

The design of condensate trap detects moisture using an electrical sensor; this leads to improved accuracy, a reduction in condensate problems and a reduction in pump running times. The TGD/MDS is upgradable to measure NOx at an additional cost. The TGD/MDS is also a natural addition to the Tecalemit ATL & MOT installation as the computer can also serve the brake tester in the test lane. This streamlines the equipment in your workshop.

## → Measurement Data

Measurement	Range	Resolution
CO	0-10%	0.001%
CO2	0-20%	0.1% Vol
HC	0-20000	1PPM
NOx (optional)	0-5000	1PPM
O2	0-25%	0.001
Lambda calc.	0-9999	10RPM
OIML		Class 00
Opacity	0-100%	0.1%
Absorption (K val)	0-99.9-1	0.001-1
Acceleration time	0-5 secs	0.005 secs
Engine speed	250-9900RPM	10RPM
Oil temp	0-150°C	1°C

## → Part Nos. & Ordering Information

Combined Emission Tester.....TGD/MDS  
With 5 Year Care Package including annual calibrations  
and extended 5 year warranty.....TGD/MDS/5WC

## → Technical Specifications & Dimensions

Display.....LCD Flat Screen  
Printer.....A4  
Keyboard.....QWERTY  
Operating temperature.....5-45°C  
Operating voltage.....240V  
Power consumption.....90VA  
Bluetooth.....Class 1

## → Options & Accessories

Wireless EOBD interface for RPM and oil  
temperature measurements.....AVL/VM8088  
Additional (2nd) flat screen monitor.....OA/60554  
Bluetooth remote control.....OA/60555  
NOx version optional.....AVL/BO7752

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Tecalemit Garage Equipment Co Ltd  
Eagle Road, Langage Business Park,  
Plymouth, United Kingdom PL7 5JY

Sales: 00 44 (0) 1752 219 111  
Service: 00 44 (0) 1752 219 100  
Fax: 00 44 (0) 1752 219 128  
Email: sales@tecalemmit.co.uk  
Web: www.tecalemit.co.uk

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