

# Combined Emission Tester



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

# Combined Emission Tester



## → 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 device for RPM and oil temperature measurements	AVL/VM8088
Probe for vertical exhausts	OA/62334
Additional (2nd) flat screen monitor	OA/60554
Bluetooth remote control	OA/60555
NOx version optional	AVL/B07752

## Issue No.: TGD/MDS Aug 2023

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@tecalemit.co.uk  
Web: www.tecalemit.co.uk

All information in this document is correct at time of publication. Tecalemit reserves the right to amend and alter specifications without prior notice. Please confirm any critical requirements with your supplier at time of ordering.

