

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
- 1 single annual calibration for both smoke and 4 gas
- Gas bench requires no warm up time
- Integral DiSpeed 492 engine RPM measurement
- Bluetooth smoke meter
- Windows PC operating system
- A4 printer
- Large 19" flat screen monitor
- Mobile cabinet
- Standard 1 year manufacturer warranty
- Options include diagnostic modules

Combined Emission Tester



→ About the TGD/MDS

The Tecalemit MDS is a modular Combined Emission Tester which as standard, incorporates a blue tooth smoke head and a PC using a windows operating system, all housed in a stylish cabinet. The gasbench has no warmup time, meaning you can start work immediately. The TGD/MDS is a truly modular system and can be expanded to include vehicle diagnostic units Discope 802 and DiOBD.

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. Current UK specification requires the emission tester to have OIML Class I approval, however, the TGD/MDS Emission Tester is approved to Class 00 – two classes higher than required under current DVSA legislation. With vehicle emissions reducing following the introduction of new technologies, should DVSA decide to make changes to the OIML class specification for gas analysers, the TGD/MDS is ready for them.

The new 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 (Automated Test Lane) as the computer can also serve the brake tester in the ATL lane. This streamlines the equipment in your workshop.

→ Options & Accessories

Additional (2nd) flat screen monitor.....OA/60554
 Bluetooth remote control.....OA/60555
 Engine & component tester.....DiScope 802
 DiScope is a high resolution 2 channel scope module
 ECU communication tool.....DiOBD 880
 DiOBD 880 is an advanced error code reader
 NOx version optional.....POA

→ Part Nos. & Ordering Information

Combined Emission Tester.....TGD/MDS
 Combined Emission Tester upgrade to Tecalemit
 ATL brake tester.....TGD/MDS/ATL

→ Technical Specifications & Dimensions

Display.....19" TFT Screen
 Printer.....A4
 Keyboard.....QWERTY
 Operating temperature.....5-45°C
 Operating voltage.....240V
 Power consumption.....90VA
 Bluetooth.....Class 1

→ Measurement Data

	Measurement range	Resolution
CO	0-10%	0.001%
CO2	0-20%	0.1% Vol
HC	0-20000PPM Vol	1PPM
NOx (optional)	0-5000PPM Vol	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

Issue No.: TGD/MDS Feb 2018

Tecalemit Garage Equipment Co Ltd
 Eagle Rd, 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



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.