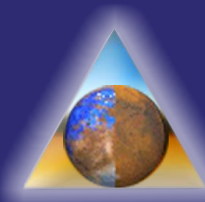


## UNIQUE FEATURES OF MARS DIESEL SMOKE METER MODEL SM-05

1. 4 Type of RPM Measurement Systems. i.e Piezo, BATT, VIBRATION and OBD.
2. First Indigenous Smoke Meter in India with OBD which is a digital Vehicle interface and RPM and Oil Temperature read directly from the Vehicle.
3. First Indigenous Infrared Sensor Non Contact type Oil Temperature Measurement system.
4. Super range of Wireless Remote.
5. Remote Connection indication .Supplied with Rechargeable Batteries.
6. Sunlight Readable LCD Displays for Good Visibility in the Daylight.
7. Earthing /Grounding Indication on the Smoke meter.  
( Improper Earthing gives improper values and damages the instrument)
8. Power On Delay Incorporated for Safety of the Smoke meter from power fluctuations and Generator glitches.
9. Compact Power Supply.
10. Aluminium Body for less weight
11. SMD Components for easy Servicing.
12. Remote Problem Debugging of the Smoke meter through Internet.
13. Auto Calibration Facility.

Note :

All the details mentioned in the catalogue are purely indicative. Technical characteristics and data are subject to change without notice. The company has the right reserved to supply products which may be modified from these illustrated and described here.



### MARS Technologies Inc.

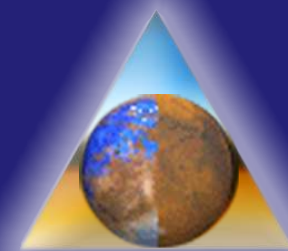
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Dealers :



## MARS Technologies Inc.

**ARAI  
APPROVED**

*First Time  
in India  
with OBD Sensor*



## MARS Diesel Smoke Meter Model SM-05

### FOR DIESEL ENGINES

MARS DIESEL SMOKE METER MODEL SM-05

MARS Diesel Smoke Meter Model SM-05 solely designed and developed by our team of intelluctuals from the Silicon Valley of India, Bangalore with a state of art technology. It is a micro-controller based High Class - 1 equipment with imported SMPS power supply from U.S.A.

ARAI Approved

KEY FEATURES

1. Sunlight Readable LCD Display

2. Micro Controller based

3. Imported SMPS Power Supply.

4. Corrosion Resistant Aluminium Case

5. Sleek Model

6. User Friendly Interface.

7. Meets Indian M.O.R.T.H. Standards

8. Imported Infrared Oil Temperature Sensor from France.

9. Futuristic Upgradable

10. Zero Maintenance

11. Portable and Easy to carry.

12. Power Supply delay switch on for safety
1. Low warm up time

2. USB Computer Interface.

3. 4 Different types of RPM Measurements.

4. 3 Different types of Oil Temperature Measurements

MARS DIESEL SMOKE METER MODEL SM-05

Technical Specification

Operating System	:	32 Bit Microcontroller
Display	:	Sunlight Readable LCD Display for Both Remote and Main Unit.
Smoke Cell Type	:	Folded Geometry , partial flow measurement .
Remote Unit	:	Wireless Technology Range of ~ 100 m distance and Wired Also
Interface	:	USB
Power Supply	:	230 V AC , 50 Hz. from Taiwan
		Works on 12 Volts DC also with Optional Inverter.
Dimensions	:	470mm X 362mm X 175mm
Warm Up Time	:	60 secs Max
Weight	:	7Kg Approx
Approval	:	ARAI Approved
Printer	:	Inbuilt Serial Printer and External Serial printer (Optional)

Measurement	Range	Resolution
Capacity	: 0.0 - 99.9 %	0.1 %
K Value	: 0.00 -9.99 m <sup>-1</sup>	0.01 m <sup>-1</sup>
Zero and Span Drift	: +- 0.1 m <sup>-1</sup>	
Linearity	: +- 0.1 m <sup>-1</sup>	
Repeatability	: +- 0.1 m <sup>-1</sup>	
Response Time –Physical	: <0.4 secs	
Response Time –Electrical	: <0.001 secs	
Warm Up time	: 60 Secs	
Engine RPM :		
a> Piezo Sensor	: 400 -9999	1 Rpm
b> Battery Sensor	: 400 -9990	10 Rpm
c> Vibration Sensor	: 400 -9999	1 Rpm
d> OBD	: 400 -9999	1 Rpm
Temperature Sensor		
a> Thermocouple	0-150	1° C
b> OBD	0-1500	1° C
c> Infrared non contact.	0-1000	1° C
Computer Interface	: USB	

OUR MOTTO : NO COMPROMISE

ON QUALITY AND SERVICE