



NETEL (INDIA) LTD.

AUTO EXHAUST / MULTIGAS ANALYZER

Model : NPM - MGA - 1

**ARAI
UPGRADED**



KEY FEATURES

- Measures CO, CO₂, HC, O₂
- Micro controller based
- Big LCD display
- Short warm-up time and fast response
- Continuous condensate discharge
- Built in printer
- Lambda measurement
- Air/Fuel ratio measurement
- Meets Indian ISO-3930 standards
- Work on 12V Battery and 230 VAC
- RPM Measurement (Induction Type)

OPTIONAL

- NOx Measurement
- RPM Measurement (Ripple Type)
- Oil Temperature Measurement
- RPM Measurement (Magnetic Type)

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TECHNICAL SPECIFICATIONS

Gasses Measured, Method

HC (Hydrocarbon): NDIR
CO (Carbon Monoxide): NDIR
CO₂ (Carbon Dioxide): NDIR
O₂ (Oxygen): Electrochemical

Optional

Nox (Nitric Oxide): Electrochemical

Measurement Range, Resolution

CO : 0-9.99%: 0.01%
CO₂: 0-20.00%: 0.10%
HC (Propane): 0-20,000 ppm : 1.ppm
O₂: 0-25 %: 0.01 %
Lambda: 0.200 - 1.800%: 0.001 %
Air / fuel: 0-30:1: 1

Optional

Nox: 0-5000 ppm: 1 ppm
Oil temp. probe: 0-150°C: 1°C
RPM probe : 0-9990 RPM : 1 RPM
(Induction)
RPM probe: 0-9990 : 10 RPM
(Ripple)
Magnetic type: 0-9990 RPM : 1 RPM

Accuracy

CO: +/- 0.03% abs / +/- 3% rel (0-10%)
Whichever is higher
CO₂: +/- 0.04% abs or +/-4% rel, whichever is higher
HC: +/- 10ppm abs or +/-5% rel (0-2000 ppm)
O₂: +/- 0.1% abs or +/-3% rel
NOx: +/- 25ppm abs or +/-3%rel (0-4000 ppm)
+/-5% rel (4000-5000 ppm) whichever is higher

Operating Pressure

750-1150 mbar

Operating Environment

32 to 122° F (0 to 50° C) to 95%Humidity
Minus 1,000 to 8,000 ft. (-300 to 2,500m)

Operating System

Micro-controller driven

Sample Acquisition Time

Approximately 6 Seconds

Warm UP Time

1 Minutes - 3.5 Minutes

Printer

Inbuilt 24 column printer

PC Communication

Analyzer with serial communication
(RS 232 interface)

Power Supply

12 VDC
Power consumption – 35 W
230 VAC
Power Consumption – 100W

Dimensions & Weight

40cm x 32cm x 20cm
10kg

Optional Accessories

Oil Temperature probe
RPM probe

Accessories

- Sampling Probe
- PU tube 7 meter long
- Universal exhaust pipe set
- Mains cord
- Printer roll
- Operation manual
- Instrument cover
- RS 232 cable
- PC end Software CD
- Power clamp for 12 VDC supply

The company's policy is one of continuous development and improvement of its products. Therefore the right is reserved to supply products which may be modified from those illustrated and described in this literature.



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