

Petrol Gas Analyser



Model : **Eco Gas 100**



- ⌘ DC Operation
- ⌘ PC Interface
- ⌘ Leak Check
- ⌘ Petrol / CNG / LPG Selection

PC Interface (Optional)



Test Report (PC Printout)

EMISION TEST CERTIFICATE					
Job ID :	25536	Vehicle Make :	Honda	Fuel :	Petrol
Serial No. :	0200325	Vehicle Model :	Honda Civic	Catlyse :	NO
Car Name :	Rohitkumar	Vehicle Type :	Four Wheeler	Test Date :	06/07/2014
Vehicle No. :	YNS07MA-4666	Engine Type :	4 Stroke	Test Time :	11:42:50 AM
Kms Run :	3500	Engine No. :	34545021	Chassis No. :	3341544
Exgn Date :	16/09/2010	Taxaid :	NO	Blame State H :	Yes
Test Result : IDLING					
Parameter	Measured	Scale Reading	25/06	06/07/2014	11:42:50 AM
CO (ppm)	65	0.01	0.01	0.01	0.01
CO ₂ (%)	14	0.1	0.1	0.1	0.1
HC (ppm)	10	1	1	1	1
NOx (ppm)	10	1	1	1	1
AIR	15.0	0.01	0.01	0.01	0.01
TEMP	100	1	1	1	1
LEAK	0.00	0.01	0.01	0.01	0.01
HC (ppm)	10	1	1	1	1
RESULT	PASS				
Thank you for keeping your Vehicle clean and Environment Green. Certified that this Vehicle's CO Emission level conforms to the standards prescribed under Rule 115(2) of CMV Rules 1988.					
Seal of Testing Station		Name of Testing Person		Authorized Signature	
Thank you for using MANATEC Gas Analyser					

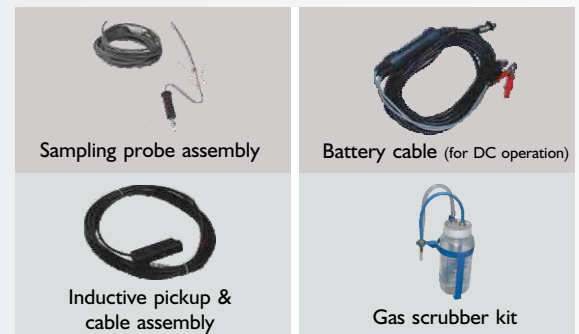
Technical Specification

Measurement Parameters	Range	Resolution
CO (Carbon Monoxide)	0 - 15%	0.01%
CO ₂ (Carbon Dioxide)	0 - 19.9%	0.1%
HC (Hydro Carbon)	0 - 20000 PPM	1 PPM
O ₂ (Oxygen)	0 - 25%	0.01%
NOx (Oxides of Nitrogen)	0 - 5000 PPM	1 PPM
AFR	0 - 30%	0.01%
Lambda	0.20 - 2.00	0.001
Engine RPM (Battery based)	400 - 9990 RPM	10 RPM
Engine oil temperature	0 - 150°C	1°C
Operating temperature	+ 5°C to + 45° C	
Measuring gas intake	3 litres / minute	
Leak test	Electronic	
Condensate discharge	Automatic	
Response time	< 15 Sec. (for sample probe length of 3m)	
Warm-up time @ 25°C & above	< 3 minutes	
Zero calibration	Automatic	
Span calibration	Digital	
Power supply	12V DC ± 2V battery 100-265V AC, Single phase, 50-60 Hz	
Power	25W	

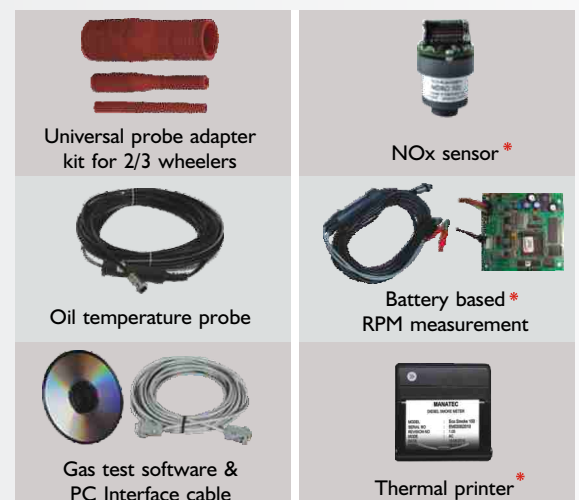
Salient Features

- Conforms to ISO 3930
- NDIR technology
- Engine RPM measurement facility
- 7 Segment LED display
- Automatic condensate discharge
- Automatic zero calibration
- Digital span calibration
- RS232C serial port for PC interface
- NOx measurement (**Optional**)
- Engine oil temperature measurement (**Optional**)
- Portable light weight design
- DC operation suitable for "Road tests" using vehicle battery
- Display of Lambda / AFR / PEF
- Petrol / CNG / LPG selection
- Indication for Low / High flow
- Indication for battery Low / High voltage
- Electronic leak check facility
- Gas scrubber for cleaning of impure particles
- HC residue test

Standard Accessories



Optional Accessories



* To be ordered along with machine. Field implementation not possible.