



 **MANATEC**

POLLUTION UNDER CONTROL EQUIPMENTS



**TEDI INDIA
PRIVATE LIMITED**

Quotation for Pollution Under Control Machine

Greetings from TEDI INDIA PRIVATE LIMITED!!!

We thank you very much for giving us an opportunity to submit our quotation for PUC MACHNE (ARAI approval) your kind perusal and consideration.

Price details are as follows:

Description	Device Model	Quantity	Price	GST	Total
Petrol Gas Analyser	Eco Gas 200 I	1	1,50,000	27,000	1,77,000

Description	Device Model	Quantity	Price	GST	Total
Diesel Smoke Meter	Eco Smoke 100 BA	1	1,35,000	24,300	1,59,300

Terms & Conditions :

1. PAYMENT: 100 % IN ADVANCE,
2. DEVICE HAS ONE YEARS WARRANTY FROM THE DATE OF INSTALLATION / SELLING.
3. ANNUAL MAINTENANCE COST – 7500/- PER ANNUM
4. WARRANTY DOESN'T COVER THE PHYSICAL DAMAGE/TAMPERING/MISHANDLING/THEFT/FORCE MAJEURE OF THE DEVICE AFTER THE INSTALLATION.
5. THE DEVICE CAN NOT BE TAKEN BACK AND MONEY CAN NOT BE REFUNDED AT ANY COST.
6. FROM NEXT 2 YEAR ONWARDS CALIBRATION CHARGES WILL BE APPLIED AT PREVAILING RATE, CURRENT CHARGES IS RS.2500/-
7. COST EXCLUDING TRANSPOTATION ACROSS INDIA

Quotation for Pollution Under Control Machine

Wire Transfer Details:

A/c Name: TEDI(INDIA)PRIVATE LIMITED
A/c No: 50200003466898
Bank Name: HDFC BANK LIMITED,
Bank Branch: WEST MAMBALAM BRANCH
IFSC Code: HDFC0000575,

In case of Cheque or DD, please make the payment in favour of TEDI(INDIA)PRIVATE LIMITED Payments are accepted only through Bank Transfer.

THANKS & REGARDS ELUMALAI JAYARAMAN

Fresh/Change of Address/Renewal of Authorisation/Change of Testing Person

1. Eucca Form (Fresh/ Renewal)
2. Fess Rs.5200/- (Fresh/Renewal/Change of address), Fess Rs.300/-for change of testing person/change of machineries/gas analyse/ smoke meter)Fess for late Rs-100/-
3. RTO Recommendation report (Form 2)/ (For Renewal) Committee recommendation report (Form 1) (For Fresh/ Change of address)-ref:Circular No.23/2004) 1. DTC/JTC, 2.RTO,3. TNPCB
4. ARAI Conformity of production certificate (Petrol & Diesel)
5. Current Calibration Certificate (Petrol & Diesel)
6. TNPCB Certificate
7. Land/building 3X8 Meter
8. Rent / Lease agreement
9. Municiple /Panchayat Tax receipt
10. EB Bill
11. Bulding Sketch
12. Testing persons Degree/Diploma Certificate
13. Testing persons TNPCB 2 days Training Certificate
14. Application submit before 15 days of date of expiry Authorisation (For Renewal)
15. Model pollution testing certificates (diesel & Petrol)
16. Original Authorisation (for renewal)
17. Testing person consent letter
18. Invoice of the Machineries (Gas Analyser/Smoke Meter)
19. All Xerox copies are attested by the concerned RTO
20. Photo 3 Copies owner and Testing Person/s
21. Address /ID proof of Testing person
22. Address /ID proof of Testing Person
23. Non Functioning Report (For Fresh)
24. Details of Computer with facilities of a web camera & Printer



Toll free - 1800 121 5800

admin@tediindia.com

www.tediindia.com/in

GROUP OF COMPANIES



NO SUBSTITUTE



TEDI INDIA PRIVATE LIMITED

TEDI INDIA PRIVATE LIMITED

No. 33/14a, Jubilee Road,
West Mambalam,
Chennai - 600 033.
Tamil Nadu, India.
P - 044 2489 0217

FACTORY

No.18, Self Help Industrial Estate,
Keelkattalai,
Chennai - 600 117.
Tamil Nadu, India.
P - 044 3200 3130

Incase of any queries, contact :

Head of Department

Elumalai Jayaraman - 95000 03130
Sundar Subramanian - 95512 93130

Sales & Marketing

Dilip Kumar - 95517 43130
A Velayutham - 81444 40000

Technical Support

Vetrivel - 91766 54852
95512 63130

Administration

95510 63130
95510 73130

Petrol Gas Analyser



Model : Eco Gas 200



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

PC Interface (Optional)



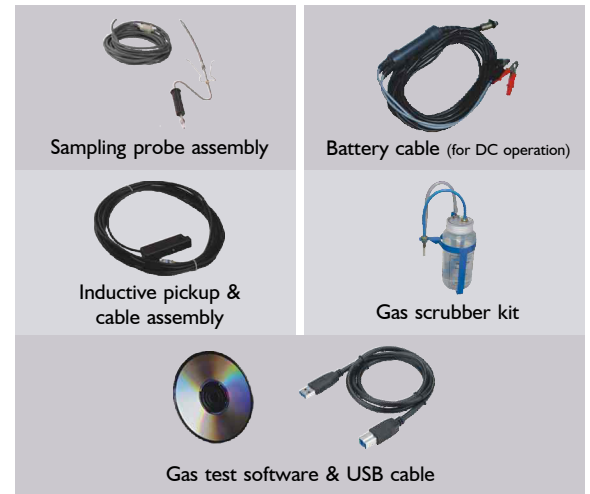
Test Report (PC Printout)

SI No. : _____	FORM (EMMISSION UNDER CONTROL TESTING STATION) (Rev. 12/12/11)																																													
TRANSPORT DEPARTMENT SEAL	High Tech Wheel Care 100 Feet Road, Madhapur, Post Office - 500084 Ph : 01 41224855																																													
REGISTRATION AUTHORITY / LICENSE No. : 5030																																														
EMMISSION TEST CERTIFICATE																																														
Job Id : 2504	Vehicle Make : Honda	Fuel : Petrol																																												
Serial No. : 020622	Vehicle Model : Honda Civic	Catalyst : NO																																												
Clst. Name : Ravikumar	Vehicle Type : Four Wheeler	Test Date : 08/07/2014																																												
Vehicle No. : DV07-58-6683	Engine Type : 4 Stroke	Test Time : 11:25:06 AM																																												
Make/Mod. : 1500	Engine No. : 1445021	Chassis No. : 338144																																												
Regn. Date : 16/08/2010	Brand : NO	Biuret Size-II : Yes																																												
<table border="1"> <thead> <tr> <th colspan="2">Test Result : IDLING</th> <th colspan="2">Photo of Vehicle</th> </tr> <tr> <th>Parameter</th> <th>Unit</th> <th>Value</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>CO</td> <td>%</td> <td>0.85</td> <td>0.5</td> </tr> <tr> <td>CO2</td> <td>%</td> <td>14.8</td> <td>14.5</td> </tr> <tr> <td>HC</td> <td>PPM</td> <td>10.85</td> <td>10</td> </tr> <tr> <td>NOx</td> <td>PPM</td> <td>11.0</td> <td>10</td> </tr> <tr> <td>AFR</td> <td></td> <td>14.7</td> <td>14.7</td> </tr> <tr> <td>Lambda</td> <td></td> <td>1.00</td> <td>1.00</td> </tr> <tr> <td>Temp</td> <td>°C</td> <td>30.0</td> <td>30.0</td> </tr> <tr> <td>Leak</td> <td></td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>HTV</td> <td></td> <td>0.00</td> <td>0.00</td> </tr> </tbody> </table>			Test Result : IDLING		Photo of Vehicle		Parameter	Unit	Value	Limit	CO	%	0.85	0.5	CO2	%	14.8	14.5	HC	PPM	10.85	10	NOx	PPM	11.0	10	AFR		14.7	14.7	Lambda		1.00	1.00	Temp	°C	30.0	30.0	Leak		0.00	0.00	HTV		0.00	0.00
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<p>RESULT PASS ■ Thank you for keeping your Vehicle clean and Environment Green</p> <p><small>Certified that this Vehicle's CO Emission level conforms to the standards prescribed under Rule 115(2) of CMV Rules 1989.</small></p>																																														
Seal of Testing Station	Name of Testing Person	Authorized Signature																																												
Thank you for using MANATEC Gas Analyser																																														

Salient Features

- Conforms to ISO 3930
- Non dispersive Infrared (NDIR) technology
- 3 methods of Engine RPM measurement facility - Inductive pickup, Battery & Accelerometer based
- 7 Segment LED display
- Automatic condensate discharge
- Automatic zero calibration
- Digital span calibration
- USB communication for PC interface
- Easy update of software in the field through USB port
- NOx measurement (Optional)
- With DC operation facility for "Road tests" using vehicle battery
- Display of Lambda / AFR / PEF
- Petrol / CNG / LPG selection
- Separate Indication for battery Low / High voltage
- Electronic leak check facility
- Gas scrubber for cleaning of impure particles
- HC residue test
- Easy diagnostic options for field service

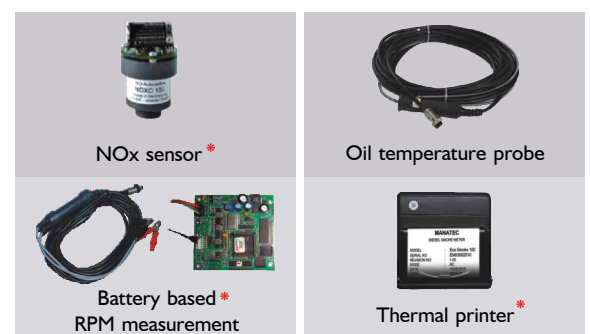
Standard Accessories



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	

Optional Accessories



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

Diesel Smoke Meter

Model : Eco Smoke 100



- ⌂ DC Operation
- ⌂ PC Interface
- ⌂ Free Acceleration Test

PC Interface (Optional)



Test Report (PC Printout)

FORM EMISSION LABOR CONTROL TESTING STATION		
High Tech Wheel Care 110 East Road, Madhapur, Hyderabad - 500084, Ph : +91 43 224804		
Registration Authority License No. - 5001		
EMISSION TEST CERTIFICATE		
Job No. : 2605	State : Madhya Pradesh	
Serial No. : 486	Model : Logan	
Year : 2008	Y of Regn. : 2008	
Test Date : 06/08/2014	Test Time : 10:25:25 AM	
Vehicle No. : TR01 58 2605	Engine No. : 95750	
Vehicle Target Data	Oil Temperature : 150C	
Min RPM : 500	Max RPM : 4000	
Test Data		
5 Sec. Opacity @ Value	Avg. Min. Time	Oil Temp.
1. 35.5	1.80	150
2. 35.5	1.80	150
3. 35.5	1.80	150
4. 35.5	1.80	150
Avg. 35.5 1.80		
RESULT	PASS	Thank you for keeping your Vehicle clean and Environment Green
Certified that this vehicle's Smoke Emission level conforms to the standard prescribed under Rule 15(2) of CMV Rules 1986.		
Permissible limit of k-Value is 2.45 l/m (Opacity : 45%)		
Seal of Testing Station	Name of Testing Person	Authorized Signature
Thank you for using MANATEC Diesel smoke meter		

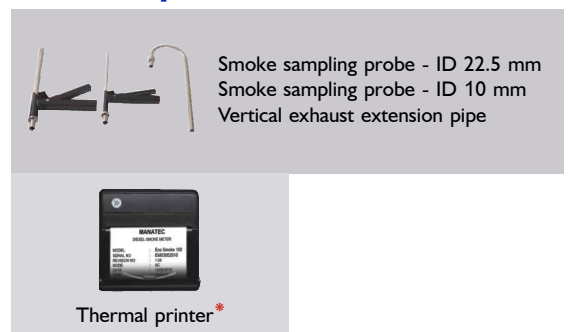
Salient Features

- Conforms to IS : 14553 - derived from ISO 11614 : 1999
- Measures smoke opacity of diesel vehicles in % opacity and K value
- Measurement principle : Partial flow, optics based on folded geometry
- Suitable for free acceleration test
- Engine RPM measurement - vibration sensor based and Battery based (Optional)
- Engine oil temperature measurement
- Operates on 230V AC (or) 12V DC power supply
- Portable, Compact & light weight design, suitable for "Road tests" using vehicle battery
- Low & High voltage indication for battery operation
- Automatic Zero and Span calibration
- Automatic Pressure regulation and moisture separation
- Handheld, Menu driven LCD remote control unit
- Pass / Fail indication and emission limit in printout
- Vehicle no., vehicle specification, operator name and test data in printout
- RS232C serial port for PC interface

Standard Accessories



Optional Accessories



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

Technical Specification

Measurement Parameters	Range	Resolution
Opacity	0 – 99.9 %	0.10 %
K-value	0 – 9.99 m ⁻¹	0.01 m ⁻¹
Linearity	± 0.1 m ⁻¹	
Repeatability	± 0.1 m ⁻¹	
Zero & Span drift	± 0.1 m ⁻¹	
Response time – Physical	< 0.4 seconds	
Response time – Electrical	< 1 millisecond	
Warm up time @ 25°C and above	< 7 minutes	
Engine RPM (Battery based)	400 ~ 9990 RPM	10 RPM
Oil Temperature	0 - 150° C	1° C
Operating Temperature	+ 5°C to + 50°C	
Smoke measuring cell length	215 mm (430 mm folded length)	
Power supply	12V DC ± 2V battery 100-265V AC, Single phase, 50-60 Hz	
Power	300W AC / 100W DC (without heater)	

ENGINE RPM METER (Optional) for Smoke Meter & Gas Analyser



Salient Features :

- Accelerometer based RPM measurement
- Compatible for Diesel & Petrol vehicles
- The Engine RPM meter allows easy measurement of RPM
- Use of multiple acquisition systems

Technical Specification :

- RPM measurement range : 400 - 9990 RPM
- Resolution : 10 RPM
- Display : Four digit LED display