

**ARAI APPROVED**

# AIRVISOR

## Diesel Smoke Meter

- Portable Design
- OIML Class '0' Compliant
- High Quality Indigenous Product
- Battery / Vibration RPM Measurement



**Model - AVS100**

### Product Specifications

Principal Smoke Cell	Attenuation of Light Beam 215 mm
Measurement Range	HSU : 0 to 99.9 % K : 0 to 15.0 m-1
Resolution	HSU : 0.1 % K : 0.01 m-1 RPM : Piezo Type (1 RPM), Battery / Vibration (10 RPM) Oil Temperature : 1° Celsius
RPM	Piezo : 0 to 6000 RPM Battery : 0 to 8000 RPM Magnetic : 0 to 6000 RPM
Oil Temperature	0 to 150° Celsius
Accuracy	HSU : ± 00.5% K : ± 0.1 m-1
Display	16X4 Liquid Crystal Display
Input Method	6 Keys Membrane keyboard
Warm Up Time	≤ 10 Minutes
Auto Zeroing	≤ 15 Seconds
Printer (Optional)	Thermal Printer
Dimensions	(L) 240 mm X (W) 215 mm X (H) 182 mm
Weight	6 Kilo Grams
Operating Temp.	-5° Celsius to 55° Celsius
Power Requirement	140 to 260 Volts AC (50 Hz), 65 Watts
Standard Accessories	Smoke Meter Unit, Power Cord, Communication Cable, Sampling Probe, Sampling Pipe, Remote Handheld Unit, OEM PC Software, User Manual



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# AirVisor 5 Gas Analyser

## Model - AVG500

Portable Design  
OIML Class '0' Compliant  
High Quality Indigenous  
Product  
Automatic Vapor  
Draining Facility  
Battery / Vibration  
RPM Measurement



**Model - AVG500**

### Product Specifications

Gases Measured	Carbon Monoxide, Hydro Carbons (Hexane), Carbon DiOxide, Oxygen and Nox.
Measurement Principal	NDIR Sensor for CO, HC & Co2 / Electrochemical Sensor for O2 & Nox.
Measurement Span	CO : 0 to 15 % Vol. HC : 0 to 15000 ppm (Hexane) Co2 : 0 to 20 % Vol. O2 : 0 to 25 % Vol. NOx : 0 to 10000 ppm (Optional in case of 5 Gas analyser)
Lambda	0.500 to 9.500
AFR	8.00 to 27.00
RPM (Optional)	Inductive : 0 to 6000 RPM Battery : 0 to 8000 RPM Magnetic : 0 to 6000 RPM
Oil Temp (Optional)	0 to 150° Celsius
Channel Resolution	CO : 0.001% HC : 1 ppm Co2 : 0.01% O2 : 0.01% Nox : 1 ppm RPM : 10 $\phi$
Accuracy	CO : $\pm$ 0.06% HC : $\pm$ 12 ppm Co2 : $\pm$ 0.40% O2 : $\pm$ 0.10% Nox : $\pm$ 10 ppm RPM : $\pm$ 10 $\phi$
Display	128 Dots X 64 Dots Graphical Liquid Crystal Display
Input Method	6 Keys Membrane keyboard (inbuilt in front panel)
Warm Up Time	$\leq$ 5 Minutes
Auto Zeroing	$\leq$ 15 Seconds
Sample Flow Rate	3 Liters/Minute with Auto Drain Facility
Pump Type	Dual Head Piston Diaphragm pump
Printer (Optional)	Thermal Printer
Dimensions	(L) 280 mm X (W) 250 mm X (H) 140 mm
Weight	6 Kilo Grams
Operating Temp.	-5° Celsius to 55° Celsius
Power Requirement	140 to 260 Volts AC (50 Hz), 50 Watts
Standard Accessories	Gas Analyser Unit, Power Cord, Communication Cable, Sampling Probe, Sampling Pipe, Leak Test Cap, OEM PC Software, User Manual

