Opacity Smoke Meter

VS-8002

Probe & Probe hose

Remote Controller

Product Features

VISKOR VS-8002 potable opacity smoke meter provides an accurate means of detecting and measuring the smoke opacity in exhaust gases emitted by Diesel engine system.

Exceptionally light and compact design makes it easy to obtain accurate measurements. The VS-8002 smoke meter allows to control the test through your computer, display test results graphically The complete system consists of a measurement & control unit, a probe, a probe hose, a built-in printer, a PC program and an instruction manual. Optional accessories: Remote controller, calibration filters, RPM, oil temperature meter

- Compact design and limited weight
- Short warm-up time, quick measurement readiness
- Time-saving and easy testing of opacity using the partial flow method with free acceleration
- Real-time smoke measurement(%, k [m^{-1}])
- 4 digit LED display
- Integrated thermal printer
- PC program (RS-232)
- Response time of 0.5 second
- Auto-Zero/ Span calibration function
- Easy to use with remote controller(optional)
- RPM meter & Oil temperature meter(optional)

Technical Specifications

Description	Opacity Smoke Meter
Model	VS-8002
Measuring items	Smoke opacity (%, k [m-1]), RPM (optional), Oil temperature (optional)
Measurement method	Light extinction method (Partial-flow sampling type)
Light source	Green LED(565nm)
Detector	Photodiode
Length/Diameter (cell)	Length: 215 mm($\pm$0.5 mm) / Diameter 21 mm
Measuring range	0.0 - 99.9% (K: 0 – 9.99 m)
Accuracy	0.10%
Warm-up time	within 5 minutes
Response time	<0.5$\pm$0.015 sec.
Physical response time	0.2 sec(Periodic response)
Power	AC 110V/220V, 50/60Hz
Temperature	-10 ~ 40℃
Pressure inside the chamber	Below 0.70 kPa
Dimension	260(W) x 390(D) x 300(H) mm
Weight (Net/Gross)	5.6kg / 10kg
Option	RPM meter, Oil temperature meter, Remote controller, Standard filters

Technical specifications are subject to changes without notice.

Automotive Exhaust Gas Analyzer

VG-5005

Back

Probe & probe hose

Product Features

VISKOR VG-5005 is a potable automotive exhaust gas analyzer, 4gas(5gas) stand-alone instrument.
Fully digital infrared gas bench technology provides rapid analyses of a vehicle performance and pollutions.
Designed as user friendly analyzer for mandatory vehicle testing and fault diagnosis of Gasoline, LPG and CNG vehicle emissions. VG-5005 comes with a built in printer, a probe, a probe hose, filters, a PC program and an instruction manual.
Optional accessories: RPM meter, an oil temperature sensor

- Accurate analysis of CO, HC, CO2, O2 with lambda value calculation NOX (optional)
- Potable (Compact design and limited weight)
- Aluminum case
- Automatic continuous measurement
- Leak test function
- Integrated Thermal Printer
- PC program (RS-232)
- 6 LED Display Windows
- Automatic zero, span calibration
- Integrated battery(optional)
- RPM and Oil temperature measurement(optional)

Technical Specifications

Description	Automotive Exhaust Analyzer
Model	VG-5005 / VG-5005(5GAS) optional
Measuring gases	CO, HC, CO2, O2, Lambda(Air surplus rate), AFR, NOX (optional)
Measuring principles	CO, HC, CO2: NDIR(Non-Dispersive Infrared Analysis) O2, NOX: Electrochemical
CO	0.00 - 10.0% / 0.01%
HC	0 – 9,999 ppm / 1 ppm
CO2	0.0 - 20.0 % / 0.1%
O2	0.00 - 25.00 % / 0.01 %
NOX(optional)	0 - 5,000 ppm / 1 ppm
λ (Lamda)	0 - 2.000 / 0.001
AFR	0.0 - 99.0 % / 0.1 %
Repetition rate	Less than 2% FS
Response time	< 10 seconds
Preheat time	< 5 minutes
Flow rate	1.8 L/min
Power	AC 220V, 50/60Hz
Calibration	Automatic zero calibration / Span calibration
Dimensions	260(W) x 300(D) x 180(H) mm
Weight	3.0 kg
Standard accessories	Probe, Probe hose, Power cord, RS232 communication cable
Options	RPM and OIL temperature meter

Technical specifications are subject to changes without notice.