



MODEL 7460 Series

PORTABLE ENGINE EXHAUST ANALYZERS

APPLICATIONS

For checking engine exhaust emissions for diesel, gasoline, propane or natural gas powered 2 and 4 cycle engines.



OPTIONS

- Analog 4-20 ma outputs
- Built in printer (add 'P' suffix)
- Plug in smoke meter (add 'S' suffix)
- Datalogger for PC computer
- Add NO_x (as NO) to any analyzer (add 'N' suffix)
- Add NO₂ to any analyzer (add 'X' suffix)
- PPM CO in place of '%' (add 'L' suffix)

Model 7465P shown
(Bench top style cabinet
also available)

MODELS

- 7461: CO only
- 7462: CO and Hydrocarbons (HC's)
- 7463: CO, CO₂ and HC's
- 7464: O₂, CO, CO₂ and HC's
- 7465: O₂, CO, CO₂, HC's and NO_x (as NO)
- 7466: O₂, CO, CO₂, HC's and NO_x (as NO + NO₂)

FEATURES

- Fast and accurate response
- Rechargeable battery operation (recharge from vehicle or from AC adapter)
- Fast warm up
- Simple to operate, compact size
- Large LCD digital readouts for each gas
- Microprocessor infra red detectors for CO, CO₂ and HC's
- Provided with sample filter, hose, probe, built in sample pump and automatic condensate removal
- Meets Bar 97 and OIML specifications

NOVA ANALYTICAL SYSTEMS INC.

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DESCRIPTION

The 7460 Series Portable Analyzers are available in four versions for the measurement of 2-6 of the gases found in the exhaust gases from internal combustion engines. CO, CO₂ and hydrocarbons are detected by a single, dual wavelength infrared detector. Oxygen and NO_x (as NO) are detected by customer replaceable electrochemical sensors.

NO₂ is also by an electro-chemical sensor if this option is selected

All detector outputs are then displayed on separate front panel digital meters. Optional built in printer, datalogger and 4-20 ma recorder outputs are also available.

The 7460 Series Analyzers come complete with built in sampling pump, flowmeter, condensate trap, automatic condensate removal, filters, teflon liquid block, 12 ft. (4m) sampling hose and stainless steel probe.

An optional smoke meter is also available which can plug into the 7460 Series Analyzer. Add 'S' suffix to model number.

SPECIFICATIONS

DESCRIPTION	
Standard Ranges: (Other ranges available)	CO: 0-10.00% (special low range PPM CO available) CO ₂ : 0-20.0% HC's: 0-2000 to 0-20,000 PPM (as propane or hexane) O ₂ : 0-25.0% NO _x : 0-2000 PPM (as NO) 0-800 PPM NO ₂ is optional 0-100% opacity smoke meter
Readout:	LCD digital for each gas with switchable backlight
Accuracy and Repeatability:	± 1% of full scale for O ₂ , CO, CO ₂ and HC's ± 2% of full scale for NO _x
Zero and Span Drift:	< ± 1% in 8 hours after full warmup
Response Time:	8-10 seconds
Warm Up Time:	1-2 minutes to useability. 10 minutes for full warmup
Ambient Temperature Range:	0 to 40°C
Humidity Range:	0-90% non-condensing
Linearity:	± .05% of full scale each gas measured
Size:	14"W x 6"H x 10 1/2"D (35.5 x 15.2 x 26.6 cm)
Weight:	12 lbs (5.5 kg)
Optional Output:	RS-232, RS-485 or 4-20 ma
Power:	115VAC or 230VAC 50/60 Hz for recharging Also 12VDC from cigarette lighter socket

Nova reserves the right to specification changes which may occur with advances in design without prior notice.

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