

ENERAC 700

A COMPLETE STACK AND EXHAUST GAS ANALYSIS SYSTEM IN THE PALM OF YOUR HAND

CHOOSE FROM:

- SEM™ EMISSIONS SENSORS: CO – NO – NO₂ – SO₂
- BAR-97 SPEC'D 3-GAS INFRARED SENSORS
- THREE AVAILABLE CONDITIONING SYSTEMS (STANDARD, PELTIER, PERMEATION DRIER)
- STANDARD OR HEAVY DUTY RECHARGEABLE OR ALKALINE BATTERY OPTIONS

EASY TO USE, EASY TO CALIBRATE

BRIGHT 128x64 DISPLAY

HIGH SPEED GRAPHIC PRINTER

INTERNAL TEST STORAGE

COMPUTER/ PDA INTERFACE

BEST SOFTWARE IN THE INDUSTRY

FIRMWARE UPGRADES IN-THE-FIELD

RUGGED ALUMINUM CASE

ANALYZER WEIGHS LESS THAN 6 LBS



USE IT FOR:

FUEL ENERGY SAVINGS

COMPLIANCE TESTING

TITLE V PERIODIC MONITORING

EMISSIONS TRADING

PERFECT FOR EPA'S:

CTM-022 & CTM-30,34 NO_x MEASUREMENTS

METHOD 2 STACK GAS VELOCITY

METHOD 25B HYDROCARBONS

ENGINE EXHAUST MEASUREMENTS

**START YOUR MEASUREMENT CAPABILITY WITH THE BASIC PACKAGE
AND UPGRADE LATER AS NEEDED**



"THE POWER TO KNOW"

1-800-695-3637

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Email: sales@enerac.com

USB 

**BLUETOOTH
WIRELESS**



ENERAC 700 SYSTEMS

M700-IR

INTEGRATED EMISSIONS ANALYZER (ENGINE EXHAUST)

Use it to check engine emissions of CO, HC and CO₂ by BAR 97 certified NDIR measurements. Optional NO measurement and spark-detection sensor. Sampling system: Teflon/Viton tubing and water trap or thermoelectric cooler.

M700/SEM

SEM™ STACK EMISSIONS ANALYZER

Uses superior TRUE emissions SEM™ sensors to monitor all relevant emissions from stacks including CO, NO, NO₂, & SO₂. Equipped with two pumps for sampling and purging. Dilution System increases measurement ranges four-fold. Sampling system: Teflon/Viton tubing and thermoelectric cooler or advanced Permeation drier.

M700/SEM-IR

SEM™ INTEGRATED EMISSIONS ANALYZER

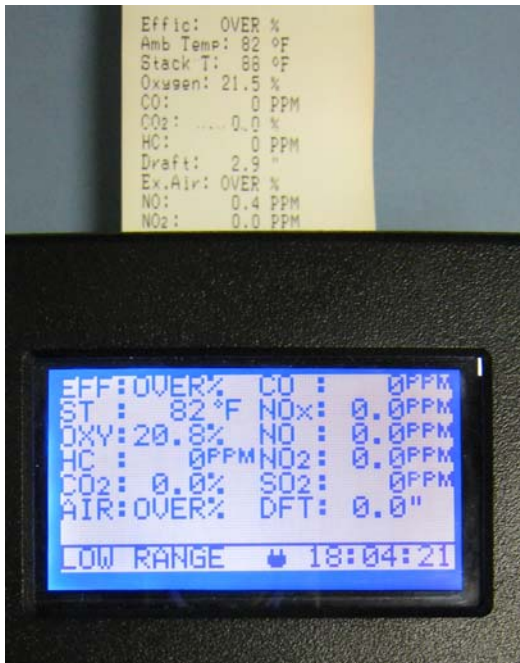
Multi-purpose, top-of-the-line emissions analyzer for ALL types of measurements. Features SEM™ CO, NO, NO₂ and SO₂ dual-range sensors and NDIR CO, HC and CO₂ sensors.

Equipped with two pumps for sampling and purging. Sampling system: Teflon/Viton tubing and Thermoelectric cooler or advanced Permeation drier with optional Velocity probe attachment for mass emissions measurement.



ENERAC 700 SPECIFICATIONS

DIMENSIONS	5.75"W x 9.75"H x 3.25"D
POWER	4 or 6 "D" Size NiMH rechargeable and AC Adaptor included.
DISPLAY	8-line, (128x64 pixel) backlit LCD
COMMUNICATIONS	Serial (RS-232) Port @ 9600 baud USB Port Bluetooth Wireless – Class 1
MEMORY	100 Internal Storage Buffers
PRINTER	2" Graphic Thermal Printer



MEASURED PARAMETERS	RANGE	RESOLUTION	ACCURACY
1. AMBIENT TEMPERATURE	0-150°F	1°F or C	3°F
2. STACK TEMPERATURE	0-2000°F (1100°C)	1°F or C	5°F
3. OXYGEN (O ₂) Electrochemical Cell, Life: 2 Years	0-25%	0.1%	0.2%
4. CARBON MONOXIDE – Dual Range SEM Sensor, Life: 2 Years	0-500/2000 or 0-2500/10000 PPM	1 PPM	2%
5. NITRIC OXIDE – Dual Range SEM Sensor, Life: 2 Years	0-1000/4000 PPM	1 PPM	2%
6. NITROGEN DIOXIDE – Dual Range SEM Sensor, Life: 2 Years	0-500/2000 PPM	1 PPM	2%
7. SULFUR DIOXIDE – Dual Range SEM Sensor, Life: 2 Years	0-2000/8000 PPM	1 PPM	2%
8. COMBUSTIBLES Catalytic Sensor, Life Varies	0-5%	0.1%	10% (CH ₄)
9. STACK DRAFT	+10" to -40" WC	0.1" WC	5 %
10. STACK VELOCITY	0-200 ft/sec	1 ft/sec	Meets EPA Method 2
11. HYDROCARBONS (C _x H _x)	0-30000 PPM	1 PPM	3 %
12. CARBON MONOXIDE (CO)	0-15 %	0.01 %	3 %
13. CARBON DIOXIDE (CO ₂)	0-20 %	0.01 %	3 %
COMPUTED PARAMETERS	RANGE	RESOLUTION	ACCURACY
1. COMBUSTION EFFICIENCY	0-100%	0.1%	1%
2. CARBON DIOXIDE	0-40%	0.1%	5%
3. EXCESS AIR	0-1000%	1%	10%
4. OXIDES OF NITROGEN (NO _x)	0-3000 or 0-5000 PPM	1 PPM	4%
5. EMISSIONS CONVERSION UNITS (CO, NO, NO ₂ , SO ₂)			
• MILLIGRAMS / CUBIC METER	0-2500 MGM	2 MGM	5%
• POUNDS / MILLION BTU	0-99.99 #/B	0.01 #/B	5%
• GRAMS / BRAKE-HP-HR	0-99.99GBH	0.01 GBH	10%



STANDARD FEATURES
EMISSIONS OPTIONS
ADVANCED EMISSIONS OPTIONS
INFRARED SYSTEM

MADE IN THE USA