


# 5 GAS COMBUSTION ANALYZER

## UNLOCK THE MYSTERIES OF COMBUSTION CHEMISTRY

The 5003 is now **web enabled!** Connect by wireless or wired LAN using Ethernet and any web browser or by subscription for a Virtual Server. Model 5003 is a portable stand alone unit able to test a vehicle in your shop or on the road. Power is supplied by the vehicle under test or an optional 110/220 VAC converter.

It is designed to meet BAR 97 ( EPA ASM ) and OIML R99 Class 0 standards. The 5003 model uses all updated electronics and a 7" HD touch screen display. The unit is compact featuring robust metal housing designed to withstand the most difficult shop or mobile environments. The unit can be shipped as a four or five gas analyzer. All 5003 Live Display units are wireless LAN Equipped.

- Updated electronics
- 7" Standard HD Touch Screen Display
- Heavy duty filter/sampling systems
- Ethernet/Wireless LAN connectivity
- Live gas readings only
- Access maintenance info. on display
- 1 yr. Parts & labor warranty
- Lifetime Service contact available
- Ethernet subscription available allowing connecting from any where in the world
- Made in USA 



## PORTABLE

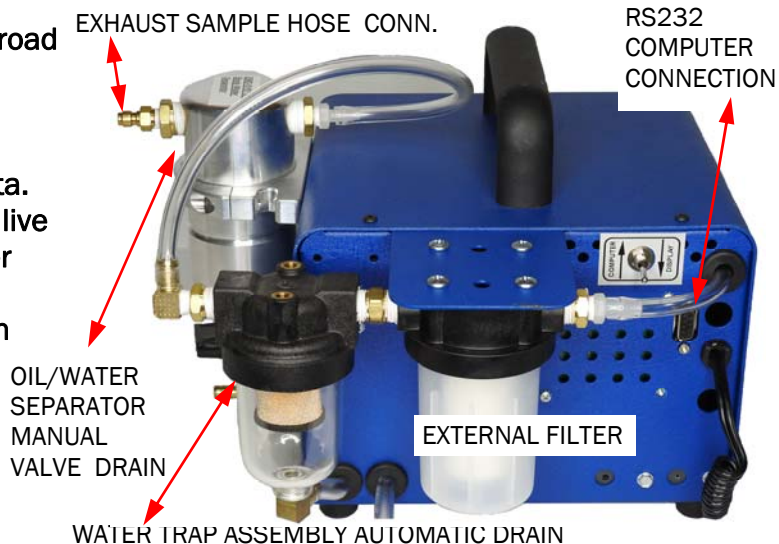
Touch screen control for zeroing, display of real-time data, calibration, leak check, help menu with complete operations manual.

**LABVIEW SOFTWARE AVAILABLE FOR GRAPHING AND STORING ANALYZER READINGS AND CUSTOMER/ENGINE INFORMATION**



**TEST, DON'T GUESS: ACCELERATE YOUR CUSTOMERS PAST THEIR COMPETITION BY USING AN EMS 5 GAS COMBUSTION ANALYZER**

- Use the EMS 5003 as a stand alone or for road tests.
- Connect to a PC via the serial port with the optional EMS LabView Software.
- 5003 display allows live reading of gas data.
- Connect the wireless LAN to any device for live tests and analyzer control with web browser software.
- Heavy duty filter system the most reliable in the industry with new oil/water separator.
- Easy calibration routine.
- Leak Check screen.
- View Analyzer SN & bench PEF value.
- Help menu screen for access to operations and maintenance information.



### Specifications EMS 5003 Live Reading Model:

- Power: 10 -16 VDC
- Ranges:
  - HC: 0 - 2000 ppm Low Range
  - HC: 0-20,000 ppm High Range
  - CO: 0 - 10%
  - CO2: 0 - 20%
  - O2: 0 - 25%
  - NO: 0 - 5000 ppm ( Nitric Oxide ) \*
- Warm up: Less than 5 minutes
- Display resolution:
  - HC: 1 ppm vol.
  - CO: 0.01% vol.
  - CO2: 0.1% vol.
  - O2: 0.01% vol.
  - NO: 1ppm\*
- Digital display: 7" HD touch screen Displays all 5 gas- AFR & LAMBDA
- Accuracy ( Bar 97 EPA ASM )
  - HC: 4 ppm HC
  - CO: 0.02% CO
  - CO2: 0.3% CO2
  - O2: 0.1% O2
  - NO: 25 ppm\*
- Drift: Zero and span drift are less than  $\pm 0.6\%$  of full scale for the first hour and less than  $\pm 0.4\%$  of full scale per hour thereafter.
- System response time: Bench: 1.5 Sec/25 ft. hose 5 sec. to 90% of final reading
- Ambient conditions: 35F (2C) to 120F (45C), rel. humidity 0-98%
- Sample hose: 25 feet ( 7.5 m) with QD coupling /200 F Degrees Max.
- Sample probe: Stainless steel 1200 Degrees F ( replaceable flex tip )
- Mass: Approx.: 10 LBS. ( 4.5 Kg )



Wireless LAN Connectivity to virtually any device

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