

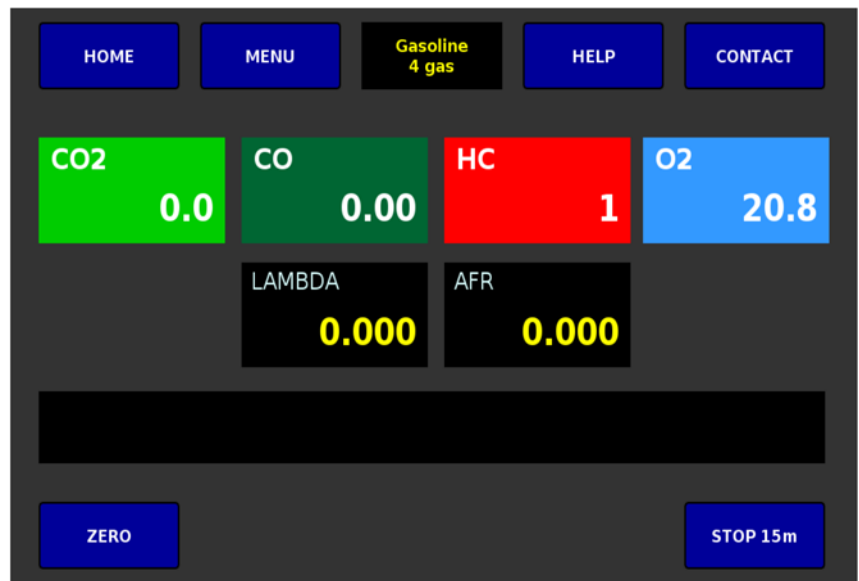
5 GAS COMBUSTION ANALYZER

UNLOCK THE MYSTERIES OF COMBUSTION CHEMISTRY

The 5003 7" Touch Screen Display, menu features: calibration, fuel selection, serial # and PEF info., leak check, 4-5 gas selection, error messages, display/computer mode switch . The 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. Coming soon with SMART display recording capabilities.

- Updated electronics
 - 7" Standard HD Touch Screen Display
 - Heavy duty filter/sampling systems
 - Live gas readings only
 - Ethernet/Wireless LAN connectivity
 - Access maintenance info. on display
 - 1 yr. Parts & labor warranty
 - Made in USA 
- Software Update Coming soon with:
- SMART display recording capabilities



Wireless LAN connectivity allows live reading display On any device with network/browser capability. Connect up to 25 devices with out worrying about the operating systems on the device!

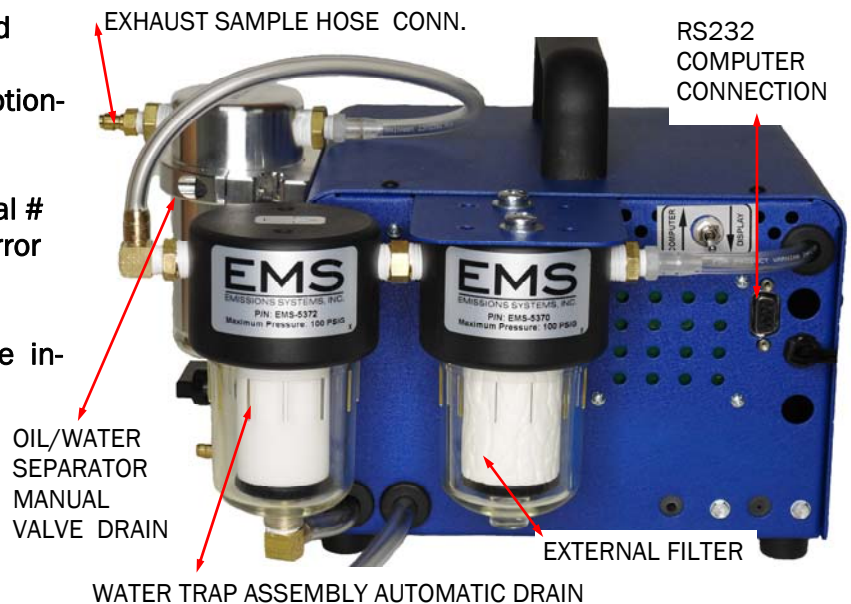
PORTABLE

LABVIEW SOFTWARE AVAILA-
BLE FOR GRAPHING AND STOR-
ING ANALYZER READINGS AND
CUSTOMER/ENGINE INFOR-
MATION



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.
- menu features: calibration, fuel selection, serial # and PEF info., leak check, 4-5 gas selection, error messages
- display/computer mode switch
- Heavy duty filter system the most reliable in the industry with new oil/water separator.
- Easy calibration routine.
- Warm up in 5 min. or less.
- Wireless LAN connectivity
- Software updates via Ethernet connection
- High Performance upgrade available



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 gases, 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)



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