

## AUTOMOTIVE FLUE GAS ANALYZER

### THE ALL NEW IMR 2800-A

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- Latest sensor technology for a more accurate measurement and longer life time
- Improved interior design for easier service and better unit protection
- Measures up to 6 gases
- Larger display for a better reading
- Increased memory
- Latest NDIR-technology to measure CO, CO2 and HC
- Applications: Cars, Trucks, Motorcycles, Engines, Cogeneration plants.



### STANDARD FEATURES

- Portable automotive gas analyzer housed in a rugged aluminum case
- Simultaneous measurement of
 

O <sub>2</sub>	Oxygen	CO <sub>2</sub>	Carbon dioxide
CO	Carbon Monoxide	HC	Hydrocarbons
NO	Nitric oxide	TG	Flue-gas temperature
TA	Ambient Air temperature		
- Automatic zero calibration
- Integrated self-check program
- Simultaneous display of 8 parameters on the illuminated display
- Thermal printer with programmable print out cycles
- Standard deviation and average value calculation
- Serial interface RS232
- Gas sampling probe E – length 0.8 ft , hose 8 ft
- Power supply 110VAC or 230VAC

### OPTIONAL FEATURES

- ◆ SO<sub>2</sub> sensor
- ◆ NO<sub>2</sub> sensor
- ◆ H<sub>2</sub>S sensor
- ◆ Soot measurement
- ◆ Gas sampling probes with different lengths
- ◆ Draft measurement



**Environmental Equipment, Inc.**

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**THE ALL NEW  
IMR 2800A**



PARAMETER	PRINCIPLE	RESOLUTION	ACCURACY	RANGE	STANDARD
<b>O<sub>2</sub> Oxygen</b>	Electro-chemical	0.1 %	± 0.2 %	0-25 %	✓
<b>CO Carbon monoxide</b>	NDIR	0.01 %	± 4 % rel.	0-15%	✓
<b>NO Nitric oxide</b>	Electro-chemical	1 ppm	± 4 % rel.	0-5,000 ppm	✓
<b>CO<sub>2</sub> Carbon dioxide</b>	NDIR	0.01 %	± 4 % rel.	0-20 %	✓
<b>HC Hydrocarbons</b>	NDIR	1 ppm	± 4 % rel.	0-30,000 ppm	✓
<b>NO<sub>2</sub> Nitric dioxide</b>	Electro-chemical	1 ppm	5 %	0- 100 ppm	Optional
<b>SO<sub>2</sub> Sulfur dioxide</b>	Electro-chemical	1 ppm	5 %	0-4,000 ppm	Optional
<b>H<sub>2</sub>S Hydrogen Sulfide</b>	Electro-chemical	1 ppm	5 %	0- 200 ppm	Optional
<b>TG Flue gas temperature</b>	NiCr-Ni thermocouple	1 K	± 2 %	-20°C/1200°C -4°F / 2192°F	✓
<b>TA Air temperature</b>	Semiconductor	1 K	± 0.5 K	-20°C/120°C -4°F / 248°F	✓
<b>P Draft</b>	Solid state	0.01 hPa 0.004" H <sub>2</sub> O	± 2 %	-20hPa/20hPa - 8" / 8" H <sub>2</sub> O	Optional
<b>Soot</b>	Filter paper method				Optional

*Other measurement ranges are available upon request  
Equipped with max 6 sensors*

**MODEL**

**PART-NO.**

IMR 2800A

IMR 28100

Dimensions (inch): 15 x 6.5 x 12.4

(mm: 380 x 165 x 315)

Weight: 17 lbs. (8 kg)

Represented by:



IMR Environmental Equipment, Inc. reserves the right to adopt technical modifications without prior notice

**THE PRIDE OF THE COMPANY - MADE IN USA -**