



# COMBUSTION GAS ANALYZER

IMR 2800 P

## THE ALL NEW IMR 2000 / 2800

### NEW FEATURES OF THE 2000-Series

- Latest sensor technology for a more accurate measurement and longer life time
- Improved interior design for easier service and better unit protection
- Measures / calculates up to 8 gases
- Larger display for a better reading
- More memory



### STANDARD FEATURES

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

O <sub>2</sub>	Oxygen	NO <sub>2</sub>	Nitric dioxide (IMR 2800)
CO	Carbon Monoxide	SO <sub>2</sub>	Sulfur dioxide
NO	Nitric oxide	TG	Flue-gas temperature
TA	Ambient Air temperature		
- Calculation of following parameters
 

Losses	
Excess Air	CO <sub>2</sub> Carbon Dioxide
- 23 Fuels are programmed – 4 fuels are programmable
- Automatic zero calibration
- Integrated self-check program
- Simultaneous display of 6 parameters on the illuminated display
- Printer with programmable print out cycles
- Standard deviation and average value calculation
- Draft measurement
- Unit selection : ppm - mg - mg(ref O<sub>2</sub>)
- Gas sampling probe E – length 0.8 ft , hose 8 ft
- Rechargeable battery with charger
- Power supply 110V or 230V

### OPTIONAL FEATURES

- ◆ HC or H<sub>2</sub>S-measurement
- ◆ Prepared for high temperature measurement (up to 2732 °F)
- ◆ Gas sampling probes with different lengths
- ◆ Soot measurement



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**THE ALL NEW  
IMR 2000 / 2800**



PARAMETER	PRINCIPLE	RESOLUTION	ACCURACY	RANGE**	STANDARD
<b>O<sub>2</sub> Oxygen</b>	Electro-chemical cell	0.1 Vol. %	± 0.2 Vol. %	0-20.9 Vol. %	✓
<b>CO Carbon monoxide</b>	Electro-chemical cell	1 ppm	Z	0-2000/4000ppm	✓
<b>NO Nitric oxide</b>	Electro-chemical cell	1 ppm	Z	0-2000 ppm	✓
<b>NO<sub>2</sub> Nitric dioxide</b>	Electro-chemical cell	1 ppm	Z	0- 100 ppm	IMR 2800
<b>SO<sub>2</sub> Sulfur dioxide</b>	Electro-chemical cell	1 ppm	Z	0-4000 ppm	✓
<b>H<sub>2</sub>S Hydrogen Sulfide</b>	Electro-chemical cell	1 ppm	Z	0- 200 ppm	
<b>HC Hydrocarbons</b>	Pellistor	0.1 %	Z	0-100% LEL	
<b>TG Flue gas temperature</b>	NiCr-Ni thermocouple	1 K	± 2 %	-4°F / 2192°F	✓
<b>TA Air temperature</b>	Semiconductor	1 K	± 0.2 K	-4°F / 248°F	✓
<b>P Draft</b>	Solid state	0.01 hPa	± 2 %	±40 hPa	✓
<b>CO<sub>2</sub> Carbon dioxide</b>	Calculation	0.1 Vol. %	± 0.2 Vol. %	0- CO <sub>2</sub> max	✓
<b>Losses</b>	Calculation	0.1 %	± 0.1 %	0-99.9 %	✓
<b>Excess Air</b>	Calculation	0.1 %	± 0.1 %	1.0-9.99	✓
<b>Soot</b>	Filter paper method			0-9	

\*\* Different/customized ranges available.  
Equipped with a maximum of 8 sensors

Z = 0 - 20 % of whole measurement range ± 1 % of maximum measurement  
21 - 100 % of whole measurement range ± 5 % of displayed measurement

**MODEL**

IMR 2000

Dimensions (inch): 15 x 6.5 x 12.4  
Weight: 16 lbs. (7.5 kg)

**PART-NO.**

IMR 20000

IMR 2800

Dimensions (inch): 15 x 6.5 x 12.4  
Weight: 17 lbs. (8 kg)

IMR 28000

Represented by:



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

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