



IR - FLUE GAS ANALYZER

IMR 2800-IR

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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 8 gases
- Larger display for a better reading
- Increased memory
- Latest NDIR-technology to measure CO, CO2 and HC



STANDARD FEATURES

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

O ₂	Oxygen	CO ₂	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

- ◆ SO₂ sensor
- ◆ NO₂ sensor
- ◆ H₂S sensor
- ◆ Soot measurement
- ◆ Gas sampling probes with different lengths
- ◆ Draft measurement



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ANALYZER
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PARAMETER	PRINCIPLE	RESOLUTION	ACCURACY	RANGE	STANDARD
O₂ Oxygen	Electro-chemical	0.1 %	± 0.2 %	0-25 %	✓
CO Carbon monoxide	NDIR	0.01 %	± 4 % rel.	0-15%	✓
NO Nitric oxide	Electro-chemical	1 ppm	± 4 % rel.	0-5,000 ppm	✓
CO₂ Carbon dioxide	NDIR	0.01 %	± 4 % rel.	0-20 %	✓
HC Hydrocarbons	NDIR	1 ppm	± 4 % rel.	0-30,000 ppm	✓
NO₂ Nitric dioxide	Electro-chemical	1 ppm	5 %	0- 100 ppm	Optional
SO₂ Sulfur dioxide	Electro-chemical	1 ppm	5 %	0-4,000 ppm	Optional
H₂S Hydrogen Sulfide	Electro-chemical	1 ppm	5 %	0- 200 ppm	Optional
TG Flue gas temperature	NiCr-Ni thermocouple	1 K	± 2 %	-20°C/1200°C -4°F / 2192°F	✓
TA Air temperature	Semiconductor	1 K	± 0.5 K	-20°C/120°C -4°F / 248°F	✓
P Draft	Solid state	0.01 hPa 0.004" H ₂ O	± 2 %	-20hPa/20hPa - 8" / 8" H ₂ O	Optional
Soot	Filter paper method				Optional

*Other measurement ranges are available upon request
Equipped with max 8 sensors*

MODEL **PART-NO.**
 IMR 2800-IR IMR 28100
 Dimensions in 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 -