

## COMBUSTION GAS ANALYZER IMR 1500-compact

### IMR 1500 – compact

- measures flue gases
  - Boilers
  - Burners
  - Engines
- small, easy to use and reliable
- high quality combustion gas analyzer using the latest sensor technology
- measures all the important parameters to adjust and optimize the combustion process
- battery powered

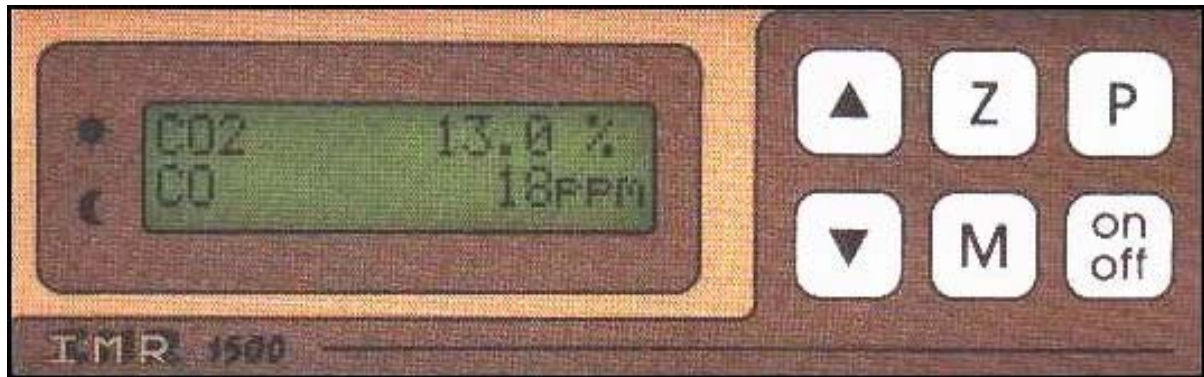


### STANDARD FEATURES

- Portable and very small combustion gas analyzer housed in a rugged hand held plastic case
- Simultaneous measurement of O<sub>2</sub> Oxygen CO Carbon Monoxide TG Flue-gas temperature
- Calculation of following parameters  
Combustion efficiency Losses Excess Air CO<sub>2</sub> Carbon Dioxide
- 6 Fuels are programmed – 1 fuel is programmable
- Automatic zero calibration
- Integrated self check program
- Simultaneous display of two selectable parameters on the illuminated display
- 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

- |                                                                                                                                                                                                                                |                                                                                                                                                                                                                      |
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| <ul style="list-style-type: none"><li>➤ Ambient air temperature probe</li><li>➤ Gas sampling probes with different lengths</li><li>➤ Draft measurement</li><li>➤ NO-measurement</li><li>➤ SO<sub>2</sub>-measurement</li></ul> | <ul style="list-style-type: none"><li>➤ RS 232 interface</li><li>➤ External printer</li><li>➤ Memory for 200 customer no., each w/ 95 measurements</li><li>➤ Carrying cases, leather or attaché style case</li></ul> |
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**TECHNICAL DATA**

PARAMETER	PRINCIPLE	RESOLUTION	ACCURACY	RANGE	STANDARD
<b>O<sub>2</sub> Oxygen</b>	Electro-chemical cell	0.1 Vol.%	± 0.2 %	0-20.9Vol. %	✓
<b>CO Carbon monoxide</b>	Electro-chemical cell	1 ppm	± 5 %	0-2000/4000ppm	✓
<b>NO Nitric oxide</b>	Electro-chemical cell	1 ppm	± 5 %	0-2000 ppm	
<b>SO<sub>2</sub> Sulfur dioxide</b>	Electro-chemical cell	1 ppm	± 5 %	0-4000 ppm	
<b>TG Flue gas temperature</b>	NiCr-Ni thermocouple	1 K	± 2 %	-4°F / 2192°F	✓
<b>TA Air temperature</b>	Semiconductor	1 K	± 0.5 K	-4°F / 248° F	
<b>P Draft</b>	Solid state	0.004" H2O	± 2 %	- 12" / 20" H2O	
<b>CO<sub>2</sub> Carbon dioxide</b>	Calculation	0.1 Vol.%	± 0.2 %	0- CO <sub>2</sub> max	✓
<b>Efficiency</b>	Calculation	1 %	± 0.5 %	0-999 %	✓
<b>Losses</b>	Calculation	1 %	± 0.5 %	0-999 %	✓
<b>Excess Air</b>	Calculation	1 %	± 2 %	0-999 %	✓

*Other measurement ranges are available upon request*

*Equipped with max. 3 sensors*

**ORDER INFORMATION**

**MODEL** *Part-No.*

**IMR 1500 – compact** 15000

Dimensions: 6.3 x 8.7 x 3.0 in.

Weight: 2.2 lb. (1kg)



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