



Environmental Equipment, Inc.

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NEW COMBUSTION GAS ANALYZER IMR 1000

NEW

IMR 1000

The IMR1000 is a hand held pocket size stack gas analyzer for combustion tests on boilers, burners, etc. The IMR 1000-1/-2 have up to two sensors with a 2-line LCD while the IMR1000-3/-4 have a 4-line LCD and come with up to 3 sensors.

- Up to 3 sensors
- Small and rugged
- Easy to operate
- Light weight
- Memory
- Infrared Interface for printer
- Protective boot with integral magnet
- Large backlit display
- Reliable Technology
- Easy to service
- Displayed parameter can be chosen

Measured parameters:

- Oxygen O₂
- Carbon Monoxide CO
- Carbon Monoxide CO (ambient)
- Nitric Oxide NO
- Flue-Gas Temperature



Calculated values:

- Combustion Efficiency
- Excess Air
- Carbon Dioxide
- CO corrected to 0% O₂

STANDARD

✓ Enclosure: Rugged plastic case with protective boot and magnet ✓ Fuels: Natural Gas, Propane, Butane, LPG, Light Oil ✓ Measuring units: ppm, mg/m³ ✓ Service program: Check of all values	✓ Zero point calibration: Max. 60 seconds ✓ Battery: > 8 hrs ✓ Languages: English, German, French, etc. ✓ Condensation trap: Integrated filter ✓ Operating Conditions 32-104°F / 0-40°C; 10-90% rel. humidity, non-condensing	✓ Gas sampling probe: Thermocouple Type K; Ø 0.25"/ 6mm; Length 9"/220mm; Hose 9'/3m ✓ Power Supply: 4 x AA ✓ Weight 2.2lbs / 1kg ✓ Dimensions 7.9x1.8x3.5" / 200x45x90mm
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PARAMETER		RESOLUTION	1000-1	1000-2	1000-3	1000-4
O ₂	Oxygen	0.1%	0-20.9%	0-20.9%	0-20.9%	0-20.9%
CO	Carbon Monoxide	1ppm		0-1000ppm	0-4000ppm	0-4000ppm
TG	Flue-Gas Temp.	1°F / 1°C	32-1112°F	32-1112°F	20-2400°F	20-2400°F
TI	Inlet Temp.	1°F / 1°C			20-2400°F	20-2400°F
TN	Temp. (Net)	1°F / °C	32-1112°F	32-1112°F	20-2400°F	20-2400°F
TA	Ambient temp.	1°F / °C			32-112°F	32-112°F
CO ₂	Carbon dioxide	0.1%	0-30%	0-30%	0-30%	0-30%
ETA	Efficiency	0.1%	0-99.9%	0-99.9%	0-99.9%	0-99.9%
λ	Excess Air	0.1%	0-250%	0-250%	0-250%	0-250%
CO/CO ₂	Ratio CO/CO ₂				0-0.999%	0-0.999%
NO	Nitric Oxide	1ppm				30ppm
P	Pressure				+/- 32"wg	+/- 32"wg

FEATURES	1000-1	1000-2	1000-3	1000-4
Worklight			✓	✓
Low Battery Indicator			✓	✓
Individual Print-Outs			✓	✓
Memory	20	20	179	179
IR-Printer Port	✓	✓	✓	✓
Backlit Display	2-lines	2-lines	4-lines	4-lines
Boot with magnet	✓	✓	✓	✓
User programmable header	✓	✓	✓	✓
Time & Date Stamp	✓	✓	✓	✓

OPTIONAL

AC adapter with rechargeable batteries
Infrared printer
Soft carrying case
Hard carrying case

1000-1	O ₂ , condensation trap, gas sampling probe, batteries, manual
1000-2	O ₂ , CO, condensation trap, gas sampling probe, batteries, manual
1000-3	O ₂ , CO, draft, condensation trap, gas sampling probe, batteries, manual
1000-4	O ₂ , CO, NO, draft, condensation trap, gas sampling probe, batteries, manual

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

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