



selectable fuels

Natural Gas
Oil #2
Oil #6
Kerosene
Propane
Coal
Digester Gas
Wood



The
NEW
FYRIZER



New Hand-Held Combustion & Emissions Analyzer

This new product adds a large touch-screen display to a full feature residential, commercial, and light industrial grade analyzer, to provide the ideal tool for the service technician who needs to determine carbon monoxide (CO) safety, combustion efficiency, and emissions compliance. The touch-screen display shows 11 different measurements and calculations at one time in a large font. It directly measures flue gas O₂, CO, NO, NO₂, SO₂, stack and ambient temperature, pressure and draft. The Fyrizer also calculates and displays combustion efficiency, stack loss, excess air, CO₂, NO_x, and dew point temperature. Additionally, the Fyrizer calculates CO, NO, NO₂, SO₂, and NO_x to a user selected O₂ reference.

The Fyrizer comes standard with advanced communication capabilities and data storage for 890 complete combustion records. Through its built in IR port, you can download test information to a printer or PC for record keeping. Customer information can be entered quickly and easily into the analyzer's memory with the full-character touch-screen display.



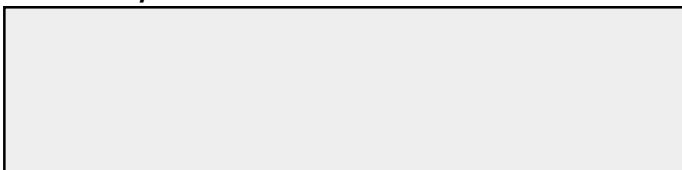
Instrument comes with:

A 12 inch probe with 10 ft. hose and cable, probe stop, ambient temperature probe, additional water trap and soot filters, leather case with magnetic holders, battery charger, hard carrying case, and instruction manual. All instruments include O₂, CO, and memory storage for 890 complete combustion records. Upgrades for CO (high), NO, NO₂, and SO₂ are available.

SPECIFICATIONS		
Measurement Ranges	Oxygen	0.1 to 20.9%
	Carbon Monoxide	0 to 4000 ppm (hydrogen compensated)
	Carbon Monoxide (high)*	4001 to 16000 ppm
	Nitric Oxide*	0 to 2000 ppm
	Nitrogen Dioxide*	0 to 500 ppm
	Sulfur Dioxide*	0 to 4000 ppm
	Stack Temperature	0 to 1562 F
	Primary/Ambient Air Temperature	0 to 257 F
	Pressure/Draft	± 15.7 inches WC
Calculation Ranges	Combustion Efficiency	0 to 100 %
	Stack Loss	0 to 100 %
	Excess Air	0 to 250 %
	Carbon Dioxide (dry basis)	0 to a fuel dependent max. value
	NO _x (NO _x = NO + NO ₂)	0 to 2500 ppm
	CO referenced to O ₂	0 to 32000 ppm
	NO referenced to O ₂	0 to 32000 ppm
	NO ₂ referenced to O ₂	0 to 32000 ppm
	NO _x referenced to O ₂	0 to 32000 ppm
	SO ₂ referenced to O ₂	0 to 32000 ppm
Accuracy	Oxygen	± 0.3% O ₂
	Carbon Monoxide	± 5% of Rdg or ± 20 ppm whichever is greater (0 to 2000 ppm) ± 10% of Rdg (2001 to 16000 ppm)
	Nitric Oxide	± 5% of Rdg or ± 5 ppm whichever is greater
	Nitrogen Dioxide	± 5% of Rdg or ± 5 ppm whichever is greater
	Sulfur Dioxide	± 5% of Rdg or ± 10 ppm whichever is greater
	Stack Temperature	± 4 F (0 to 257 F) ± 6 F (258 to 481 F) ± 8 F (482 to 751 F)
	Primary/Ambient Temperature	± 2 F
Pressure/Draft	± 3% of Rdg or 0.02 inches WC	
Size	5.8" H x 7.6" W x 2" D	
Weight	3.6 lbs with batteries and probe	
Power Source	Four AA size rechargeable NiCad batteries, min. of 4 hours of continuous operation.	
Warm-up Time	60 seconds	
Warranty	2 years on instrument	

* optional

Distributed By:



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ORDERING INFORMATION		
MODEL/PN	MEASUREMENTS	FEATURES
Model 250 24-8234	Oxygen Carbon Monoxide Stack temperature Primary/Ambient Temperature Pressure/Draft	Memory storage of 890 records Backlighted display Manual CO overload protection Wireless interface to printer & PC
Model 260 24-8235	Same as Model 250 plus CO (high)	Same as Model 250
Model 270 24-8236	Same as Model 250 plus NO & NO ₂	Same as Model 250
Model 280 24-8237	Same as Model 250 plus SO ₂	Same as Model 250
Model 290 24-8238	Same as Model 250 plus NO & SO ₂	Same as Model 250
Model 270 Kit 24-8239	Same as Model 270 plus sample conditioning	Same as Model 250
Model 280 Kit 24-8246	Same as Model 280 plus sample conditioning	Same as Model 250
Model 290 Kit 24-8247	Same as Model 290 plus sample conditioning	Same as Model 250

AVAILABLE SPARE PARTS AND ACCESSORIES	
PART NO.	DESCRIPTION
24-0788	Replacement O ₂ sensor
24-8248	Replacement CO sensor
24-1336	Replacement CO (high) sensor
24-0881	Replacement NO sensor
24-1027	Replacement NO ₂ sensor
24-0998	Replacement SO ₂ sensor
07-1646	Replacement soot filters (5 pcs)
07-1651	Replacement cotton filters (25 pcs) need more description
07-1652	Replacement cotton filters (150 pcs) need more description
07-1653	Replacement water stop filters (3 pcs)
24-1229	IrDA Printer
24-1310	Printer Paper (5 rolls)
24-1337	IrDA receiver for PC
24-1313	10 ft. hose extension
24-1314	Connector (for hose extension)
24-1183	Probe tube (7" long)
24-1184	Probe tube (12" long)
24-1185	Probe tube (20" long)
24-1186	Probe tube (39" long)
24-1311	Leather Case
24-1312	Shoulder strap
24-1315	4" Primary / Ambient temperature probe with 6 ft. lead
24-1316	11" Primary / Ambient temperature probe with 6 ft. lead
24-1319	2" Primary / Ambient temperature probe
24-7059	Calibration Kit