



Combustion Efficiency Analyzers

This basic efficiency analyzer is designed for heating technicians installing or servicing burners, boilers, furnaces and other combustion appliances to ensure each system's safe operation and efficiency.

These sturdy, lightweight analyzers are rugged and reliable with durable sensors that come standard with a three-year warranty – the best in class! The 327-1 operates longer in the field with minimal routine maintenance. Once every three to four years simply order a do-it-yourself maintenance sensor and supplies for replacement in the field, not in the factory!



testo 327-1

KEY POINTS

- 3-year Sensor Warranty
- 4-line display
- 5 hr. Li-Ion rechargeable battery
- Self-service kits available
- Collect additional test data for a single report
- Generate reports with IR printer (opt.)
- Rugged single line probe connection
- Pre-programmed with 8 fuels



PLUS testo Exclusive!
Includes BioHeat® 5 fuel code

All testo combustion analyzers use CO sensors filtered for Nitric Oxide (NO) gas – found in most flue gas. Unfiltered CO sensors can lead to reading errors of 25% or more.

Download a **FREE** Combustion Application Guide at www.testo.us/AppGuides

TECHNICAL DATA

O₂ (Oxygen):

Range: 0 to 21%
Resolution: 0.1%

CO (Carbon Monoxide):

Range: 0 to 4,000 PPM
Resolution: 1 PPM

Temperature:

Range: -40 to 932 °F
Resolution: 0.1 °F

Pressure (Differential):

Range: +/- 80" WC
Resolution: 0.01" WC

Pressure (Draft):

Range: +/- 16" WC
Resolution: 0.001" WC

Calculates:

Combustion Efficiency, Excess Air, CO₂, CO-Air Free

Operating temp. range: 23°F to 113°F
Storage temp. range: -4°F to 120°F
Dimensions: 8.5" x 2.7" x 1.9"
Weight: 1.1 lbs
Battery: Li-Ion rechargeable battery (5 hrs)
Power Supply: 120 VAC





Combustion Efficiency Analyzers – Ordering Information

327-1 (O₂ only):	0563 3101*					
327-1 (CO only):	0563 3102					
327-1:	400563 3271					
327-1 Basic Kit:	0563 3203 72					
327-1 Printer Kit:	0563 3203 71					
327-1 Smoke Test Kit:	400563 3274					
O₂	X	X	X	X		X
CO	X	X	X	X	X	
Draft Pressure, Stack Temperature	X	X	X	X	X	X
Efficiency, Excess Air, CO₂, CO Air-Free	X	X	X	X		
Power Supply	X	X	X	X	X	X
Spare particle filters	X	X	X	X	X	
System Case	X	X	X		X	
Printer	X	X				
Smoke Spot Tester	X					

* = analyzer only, no probes, no case, can upgrade to combustion analyzer

Recommended Accessories

- (Included with some kits)
- Printer with 7 rolls of paperPN 400563 5604

Additional Accessories, Spare Parts and Replacement Parts

- Spare (10 hr.) Li-Ion battery w/ chargerPN 0554 1087
- Smoke spot tester kitPN 0554 0307
- Adapter for pressure testingPN 0554 1203
- Adapter for Differential temp. (2 probes).....PN 0554 1204
- Spare particle filtersPN 0554 0040
- Printer paper (6 rolls)PN 0554 0568
- Replacement O₂ cellPN 0390 0047
- Replacement CO cell.....PN 0390 0046
- Replacement (5 hr.) Li-Ion batteryPN 0515 0114
- Replacement (10 hr.) Li-Ion batteryPN 0515 0100
- Replacement thermocouple (12")PN 0430 0384
- Hose extension - 9 ft.PN 0554 1202
- 12" modular flue gas probe w/ 7' hosePN 0600 9763

Service Kits and Replacement Parts for previous models 325 and 300

- Self service kit for 325-1 (includes sensors and wear items).....PN 400700 3251
- Self service kit for 325M (includes sensors and wear items).....PN 400700 3252
- Self service replacement O₂ cell (325-1 & 325-2 only)PN 0390 0069
- Self service replacement O₂ sensor (300/325M & XL)PN 0390 0085
- Self service replacement CO measuring cell (325-1 & 325-3 only)PN 0390 0168
- Self service replacement CO (H₂ comp.) cell (325XL only H₂ Comp.).....PN 0390 0245
- Self service replacement CO cell (325M only)PN 0390 0297
- Replacement thermocouple for probes (325)PN 0430 0071
- Self service replacement O₂ cell (300)PN 0390 0078
- Self service replacement CO cell (300)PN 0390 0072