

1-800-GRAINGER (472-4643)

## Portable Combustion Analyzers



Units all utilize the B-Smart carbon monoxide (CO) sensor. INSIGHT Plus sensor measures 0 to 4000 ppm with integral NOx filter. InTech has 0 to 2000 ppm CO sensor. Feature internal sampling pump and print capability.

**Fyrite INSIGHT Plus Combustion Analyzers**—5-in-1 residential/commercial testers analyze steady-state combustion and efficiency of 9 selectable fuels. Backlit LCD with zoom and full-color display with dynamic graphing enhance combustion process analysis. O<sub>2</sub> sensor life indication. Proprietary Tune-Rite troubleshooting software is included.

- Color graph screens show stack hot spots and trending
- Measure combustion/ambient and flue gas temperature, O<sub>2</sub>, CO, and draft/differential pressure

- Draft pressure: 100" WC
- Calculate CO<sub>2</sub>, CO air free, and excess air

**Fyrite InTech Residential Analyzers**—Basic electronic analyzers calculate the efficiency of residential furnaces and combustion appliances. Lightweight and easy to use for routine service calls. Turn it on, select 1 of 6 fuels, and see quick results on the digital display.

- Measure stack and ambient temperature, O<sub>2</sub>, and CO
- Calculate CO<sub>2</sub>, CO air free, and excess air



36M793

Series	Combustion Efficiency	Primary/Ambient Air Temp.	Stack Temp.	Excess Air
InTech	0.1 to 100%	-4 to 212°F	-4 to 1202°F	0 to 250%
INSIGHT	0.1 to 100%	-4 to 600°F	-4 to 1202°F	0 to 250%

Carbon Monoxide Measurement Range	Includes	Mfr. Model	Item No.
<b>Fyrite® INSIGHT® Plus Combustion Analyzers</b>			
0 to 4000 ppm	4 AA Batteries, Hard Carry Case, Long Life O <sub>2</sub> Sensor Installed, Probe, Rubber Boot, Spare Filters, User Manual	0024-8517	36M793
	8 AA Batteries, Hard Carry Case, IrDA Printer, Long Life O <sub>2</sub> Sensor Installed, Probe, Rubber Boot, Spare Filters, USB Cable, User Manual, User Software	0024-8518	36M794
<b>Fyrite® InTech® Residential Combustion Analyzers</b>			
	4 AA Batteries, Hard Carry Case, Probe, Rubber Boot, User Manual	0024-8523	36M790
0 to 2000 ppm	4 AA Batteries, Probe, User Manual And Soft Case	0024-8511	36M788
	8 AA Batteries, Hard Carry Case, Printer, Probe, Rubber Boot, Spare Filters, USB Cable, User Manual, User Software	0024-8512	36M789



36H452



3JYG6



787DK4

## Combustion System Analyzer Kits

### TESTO

- Measure O<sub>2</sub>, CO, temperature, and draft pressure
- Calculate CO<sub>2</sub>, excess air (EXA), and efficiency

Testers are ready to use after a fast, 30-sec. warmup. Magnetic back for hands-free operation. 2-line backlit display. Available with an IR printer.

### 36H452 and 36H453

- Measure O<sub>2</sub>, carbon monoxide (CO), temperature, and draft pressure
- Calculate CO<sub>2</sub>, excess air (EXA), and efficiency

Testers are ready to use after a fast, 30-sec. warmup. Magnetic back for hands-free operation. 2-line backlit display. Available with an IR printer.

### TEST PRODUCTS INTL.

- Measure CO and CO<sub>2</sub>
- Calculate O<sub>2</sub>, efficiency, excess air, and ratio
- Analyze CO

Full-system diagnostic analyzers help reduce fuel costs.

### UEI TEST INSTRUMENTS

#### 787DK4 and 787DK5

- Measure O<sub>2</sub>, CO<sub>2</sub>, CO, inlet and flue temperature, and differential pressure
- Calculate efficiency, net temperature differential, excess air, and CO/CO<sub>2</sub> ratio

### 36H167

- Kit for gas leak detection and pressure measurement
- Dual-input to measure pressure to ±60 inWC (inches water column)

Senses combustible, noncombustible, and toxic gases. Includes combustible gas leak detector and electronic manometer. Measures in 11 scales: inH<sub>2</sub>O, psi, bar, mBar, kPa, inHG, mmHG, ozin, FtH<sub>2</sub>O, cmH<sub>2</sub>O, and kgcm.

O <sub>2</sub> Concentration	CO Measurement Range (PPM)	CO <sub>2</sub> Concentration	Primary/Ambient Air Temp.	Pressure/Draft	Excess Air	Includes	Mfr. Model	Item No.
<b>Testo</b>								
0 to 21.0 vol%	0 to 4000	0 to CO <sub>2</sub> max Calculated	-4° to 212°F (20° to 100°C)	-16 to +16 In. WC - Pressure, -8 to +8 In. WC - Draft	0 to 100% Calculated	AC Adapter, Battery, Case, Certificate of Conformity, Extra Particulate Filters, Hose, Pressure Plugs, Probe With Cone, Sensors, Silicon Tubing	0563 3100	36H452
0 to 21.0 vol%	0 to 4000	0 to CO <sub>2</sub> max Calculated	-4° to 212°F (20° to 100°C)	-16 to +16 In. WC - Pressure, -8 to +8 In. WC - Draft	0 to 100% Calculated	AC Adapter, Pressure Plugs, Battery, Case, Certificate of Conformity, Extra Particulate Filters, Hose, Printer And 2 Rolls Of Paper, Probe With Cone, Sensors, Silicon Tubing	0563 3110	36H453
0 to 21.0 vol%	0 to 4000	0 to CO <sub>2</sub> max Calculated	-4° to 212°F (20° to 100°C)	-16 to +16 In. WC - Pressure, -8 to +8 In. WC - Draft	0 to 100% Calculated	AC Adapter, Battery, Case, Certificate of Conformity, Extra Particulate Filters, Hose, Pressure Plugs, Probe With Cone, Sensors, Silicon Tubing	0563 3100	36H452
0 to 21.0 vol%	0 to 4000	0 to CO <sub>2</sub> max Calculated	-4° to 212°F (20° to 100°C)	-16 to +16 In. WC - Pressure, -8 to +8 In. WC - Draft	0 to 100% Calculated	AC Adapter, Pressure Plugs, Battery, Case, Certificate of Conformity, Extra Particulate Filters, Hose, Printer And 2 Rolls Of Paper, Probe With Cone, Sensors, Silicon Tubing	0563 3110	36H453
<b>Test Products Intl.</b>								
0 to 25%	0 to 10,000	0 To 25%	-58° to 1832°F (-50° to 1000°C)	-15 kPa to +15 kPa, -150 mBar to +150 mBar, -60 to +60 In. WC	0 to 250%	Flue Probe, Infrared Printer, K-Type Thermocouple, Mini Pump Protection Filter, Silicone Tubing, Soft Carrying Case	709A740	3JYG6
<b>UEI Test Instruments</b>								
0 to 21%	0 to 10,000	0 to 20%	32° to 112°F	±0.4 in WC to ±32 in WC	0 to 250%	(2) Wireless Pipe Clamp Probes, (2) Wireless Pressure Probe WPC2, CP2 Flue Probe, IRP-2 Infrared printer, Pouch/Cases, AC509, Printer Paper Roll:16646, Quick Start Guide, Rechargeable 3 (AA) Batteries, USB Cable, Water Trap, WIRO0067 Charger	C165+KIT	787DK4
0 to 21%	0 to 10,000	0 to 20%	32° to 112°F	±0.4 in WC to ±32 in WC	0 to 250%	¼" NPT to Hose Barb Adapter, 6CMT9 digital manometer, 8EUN6 combustible gas leak detector, Batteries, Instructions, Sample Tube	C165+KIT-N	787DK5
—	—	—	—	-20 to +20 In WC	—	—	LPKIT	36H167

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