

# FLUE-Mate™

## COMBUSTION ANALYZER

### Optimize your combustion efficiency.

FLUE-Mate is the all-in-one combustion analyzer built to improve your combustion efficiency and safety. In addition to combustion analysis, this tool is also equipped with an integrated manometer, thermometer, ambient CO test, cracked heat exchanger test and provides draft analysis. FLUE-Mate features intuitive mode selection and navigation, 15 programmable fuel selections and field-replaceable O<sub>2</sub> sensor, probe and water trap to minimize downtime. Download the FLUE-Mate app to generate quick analysis reports on your smart phone or tablet. FLUE-Mate is the user-friendly, comprehensive combustion analyzer for all your heating jobs.

#### ADVANTAGES

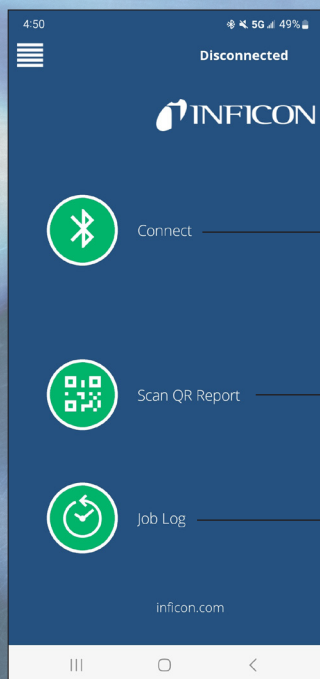
- Easy-to-read backlit LCD display
- Displays efficiency, O<sub>2</sub>, CO<sub>2</sub>, CO and flue gas temperature readings all on one screen
- Field-replaceable O<sub>2</sub> sensors to minimize downtime
- Automatic CO sensor protection
- FLUE-Mate app allows you to store and email reports
- Monitor system pressures with built-in manometer and hose kit
- External water trap prevents internal electronic and sensor damage
- Optional Bluetooth® printer
- Upgradeable to measure NOx



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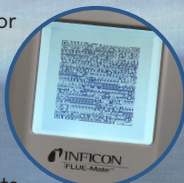
LEARN MORE HERE!



Connect — Connect for real-time readings

Scan QR Report — Scan QR code for a full report

Job Log — View, edit, and share reports





**SPECIFICATIONS**

<b>Includes</b>	FLUE-Mate Flue gas probe with 5 ft. (1.5 m) dual hose Manometer pressure hose Water trap AC wall charger Carrying case			
<b>Power source</b>	Lithium ion battery (rechargeable)			
<b>Battery life</b>	8 hours			
<b>Weight</b>	0.77 lb. (349 g)			
<b>Compatible fuels</b>	Natural gas, Propane, Fuel oil (#2, #4, or #6), Diesel, Wood, Coal, Bio-fuel 5%, L.P.G., Butane, Bagasse, B100			
	<b>Range</b>	<b>Resolution</b>	<b>Accuracy</b>	
<b>Measured</b>				
O <sub>2</sub>	0 - 25.0% vol	0.1% vol	±0.2% vol	
CO high immunity H <sub>2</sub> with NOx filter	0 - 4000 ppm	1 ppm	±20 ppm ±5% measured value	0 - 400 ppm 401 - 4000 ppm
Air temperature	-4.0 - 248.0°F -20.0 - 120.0°C	0.2°F 0.1°C	±1.8°F ±1°C	
Flue gas temperature	-4.0 - 1472.0°F -20.0 - 800.0°C	0.2°F 0.1°C	±1.8°F (±1°C) ±1% measured value	-4 - 212°F (-20-100°C) 212.2 - 1472°F (101-800°C)
Pressure (draft & differential)	-40.0 - +80.0 in. H <sub>2</sub> O	0.004 in. H <sub>2</sub> O	±1% measured value ±0.008 in. H <sub>2</sub> O ±1% measured value	-40.0 - -0.81 in. H <sub>2</sub> O -0.80 - +0.80 in. H <sub>2</sub> O +0.81 - +80.0 in. H <sub>2</sub> O
<b>Calculated</b>				
CO <sub>2</sub>	0 - 99.9% vol	0.1% vol		
Temperature differential	32.0 - 1472.0°F 0 - 800.0°C	0.2°F 0.1°C		
Air index	0.00 - 9.50	0.01		
Excess air	0 - 850%	1%		
Stack losses	0.0 - 100.0%	0.1%		
Efficiency	0.0 - 120.0%	0.1%		

**ORDERING INFORMATION**

FLUE-Mate Combustion Analyzer	502-202-G1
FLUE-Mate Combustion Analyzer with Bluetooth® printer	502-203-G1

**Accessories and Replacement Parts**

Bluetooth® printer	502-600-P1
O <sub>2</sub> Sensor	502-601-P1
Wall charger (US and International)	502-602-P1
Replacement filters (5 pack)	502-603-P1
Replacement printer paper rolls (5 pack)	502-604-P1
USB cable for charger	502-605-P1
Water trap filter assembly	502-606-P1
Carrying case	502-607-P1
Positioning cone for probe	502-608-P1
Replacement o-rings for water trap (5 pack)	502-609-P1
Flue gas probe with 5 ft. (1.5 m) dual hose	502-610-P1
Pressure hose kit for use with manometer	502-611-P1
Lithium ion battery	502-612-P1

