

# FLUE-Mate®

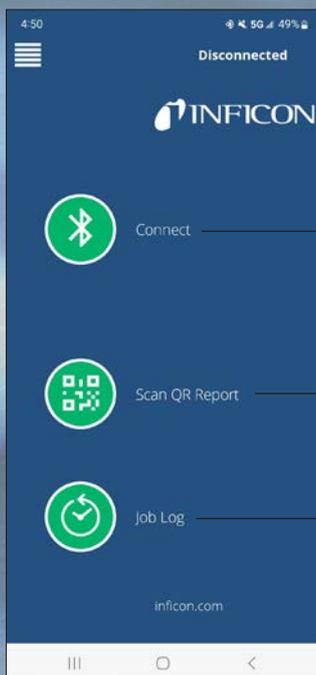
## COMBUSTION ANALYZER

### 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, CO test (ambient and flue), cracked heat exchanger test and provides draft analysis. FLUE-Mate features intuitive mode selection and navigation, 15 programmable fuel selections and a 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> sensor, water trap and probe 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



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



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**SPECIFICATIONS**

<b>Includes</b>	FLUE-Mate Flue gas probe with 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>	350 g
<b>Warranty</b>	Two-year
<b>Compatible fuels</b>	Natural gas, Propane, Butane, Diesel oil, Fuel oil, Propane air, Biogas, Pellets 8%, Wood 20%, Wood chips, Coal, Olive pits, CO off-gas, Rice husk basmati

	<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	-20.0 - 120.0°C (-4.0 - 248.0°F)	0.1°C (0.2°F)	±1°C (±1.8°F)	
Flue gas temperature	-20.0 - 800.0°C (-4.0 - 1472.0°F)	0.1°C (0.2°F)	±1°C (±1.8°F) ±1% measured value	-20-100°C (-4 - 212°F) 101-800°C (212.2 - 1472°F)
Pressure	-99.5 - 199.1 mbar	0.01 mbar	±1% measured value ± 0.02 mbar ±1% measured value	-99.5- -2.0 mbar -2.0 - +2.0 mbar +2.0 - +199.1 mbar
<b>Calculated</b>				
CO <sub>2</sub>	0 - 99.9% vol	0.1% vol		
Temperature differential	0 - 800.0°C (32.0 - 1472.0°F)	0.1°C (0.2°F)		
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-G11

FLUE-Mate Combustion Analyzer with Bluetooth® printer 502-203-G11

**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