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 a field-replaceable O_2 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_2, CO_2, CO and flue gas temperature readings all on one screen
- Field-replaceable O_2 sensor 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

2 YEAR WARRANTY

Li-Ion

Bluetooth®

Download on the App Store

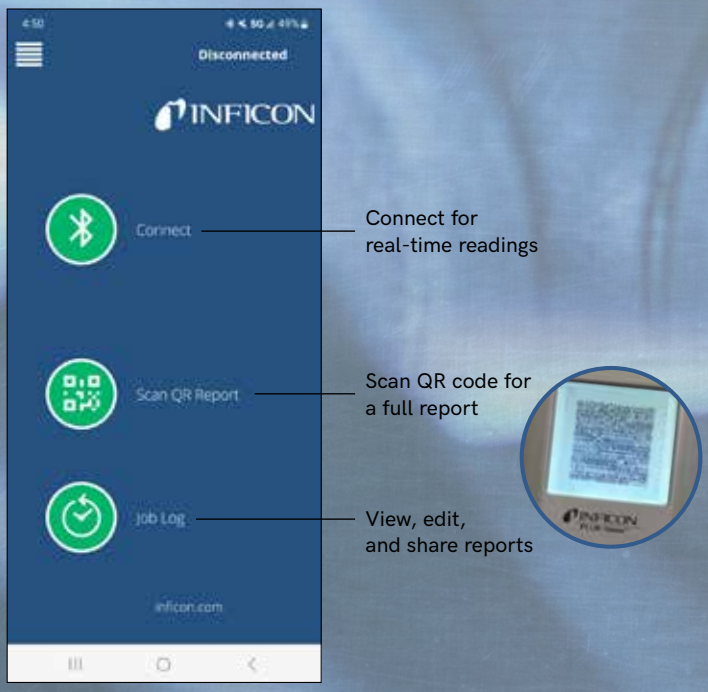
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AHR 2024 INNOVATION AWARDS WINNER

LEARN MORE HERE!



Connect for real-time readings

Scan QR code for a full report

View, edit, and share reports



SPECIFICATIONS

Includes	FLUE-Mate Flue gas probe with 5 ft. (1.5 m) dual hose Manometer pressure hose Water trap AC wall charger Carrying case
Power source	Lithium ion battery (rechargeable)
Battery life	8 hours
Weight	0.77 lb. (349 g)
Warranty	Two-year over-the-counter
Compatible fuels	Natural gas, Propane, Fuel oil (#2, #4, or #6), Diesel, Wood, Coal, Bio-fuel 5%, L.P.G., Butane, Bagasse, B100

	Range	Resolution	Accuracy	
Measured				
O_2	0 - 25.0% vol	0.1% vol	±0.2% vol	
CO high immunity H_2 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_2O	0.004 in. H_2O	±1% measured value ±0.008 in. H_2O ±1% measured value	-40.0 - -0.81 in. H_2O -0.80 - +0.80 in. H_2O +0.81 - +80.0 in. H_2O
Calculated				
CO_2	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_2 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
Test port plugs	502-613-P1



CO Check®

CARBON MONOXIDE METER

Superior accuracy for peace of mind.

CO Check is a reliable and affordable tool to measure the carbon monoxide (CO) level in your immediate environment. A large display indicates the ppm level of CO in the environment and audible alarms and colored indicators alert if dangerous levels of CO are present. CO Check is a great companion for any technician's toolbox.

2 YEAR WARRANTY

1–999 PPM RANGE

1 x 9V

CE



MADE IN USA

SPECIFICATIONS	
Includes	CO Check 9 V alkaline battery Holster case
Battery life	200+ hours
Power source	9 V alkaline battery
Range	1 to 999 ppm
Display resolution	1 ppm
Accuracy	3% of reading ±1 ppm
Auto shut-off	20 min.
Alarm indicators	Variable speed audio alarm, colored LEDs, ppm display
Dimensions (with holster)	6.3 × 3.8 × 2.0 in. (16.0 × 9.7 × 5.1 cm)
Weight (with holster)	0.56 lb. (250 g)
Certifications	CE, UKCA
Warranty	Two-year over-the-counter

ORDERING INFORMATION	
CO Check	715-202-G1
Accessories and Replacement Parts	
Holster case	715-400-P1

ADVANTAGES

- Best-in-class accuracy for peace of mind
- Simple operation for ease of use
- Bright, colored indicators and audible alarm for quick hazard recognition
- Large, easy-to-read display
- Runs on one 9 V battery
- MAX feature retains the highest reading for easy multitasking
- Padded holster with belt clip for hands-free use

CARBON MONOXIDE:

- is generated by poorly maintained fuel-burning appliances
- kills over 200 people each year*
- is colorless, odorless and tasteless
- can cause poisoning, which mimics the symptoms of the flu but can be fatal with high CO exposure levels (such as above 100 PPM)
- can be harmful even at low exposure levels - even single digit PPM readings

*from the Consumer Product Safety Commission