

113 mm

90 mm

SOX3_Box



Fast and Easy Furnace Tuning

SOX3 Combustion Check with AutoPump



Hands Free Solutions
Strong magnetic hanger holds the meter in place while the threaded barrel lock stabilizes the barrel without damaging the flue. Internal pump means no more hand pumping.



RIGHT STUFF

Field Replaceable Sensor
Fieldpiece replacement sensors are replaceable in the field. The display shows when it's time for a new O₂ sensor.

Combustion Check Easy and Dependable

- Operates like a combustion analyzer with only the sensors you need.
- Fast response time and excellent accuracy.
- Internal electric AutoPump for hands-free testing.
- Field replaceable oxygen sensor with sensor life reminder.
- Custom fuel input for non-conventional burners.
- Calculates combustion efficiency.

model SOX3



20 mm

424 mm

73 mm

90 mm

Fieldpiece

Affordable Combustion Tuning

The SOX3 is a portable hand held automated combustion check designed for the HVAC technician. The SOX3 provides all the essential measurements needed to tune most combustion equipment. Measure flue temperature and %O₂ directly at the end of the barrel and the SOX3 calculates %CO₂ and %Excess Air (%EA).



Specifications

Battery	9V	
Battery Life	28hrs approx. (alkaline)	
Sensor Types	K-Type thermocouple and high accuracy O ₂ sensor	
Measurement	Range	Best Accuracy/Best Resolution
% Oxygen	0 to 25%	±0.3%/0.1%
Temperature	-58 to 1000°F	±1°F/0.1°F

* System accuracy after temperature calibration.

Combustion Check with AutoPump

Model SOX3

Combustion Check with AutoPump

Easy Furnace Tuning

For many applications, a full combustion analyzer is not necessary. The SOX3 is an excellent solution to check and tune combustion equipment.

Accurate High Temperature Measurements
Fast and accurate "F" or "C" measurements with 0.1° resolution.

Field Replaceable O₂ Sensor
With calibration data stored on the sensor, you can just swap the old sensor for a new one in under a minute.

Custom Fuel Types
Tune burners using by non-standard fuels.

Combustion Efficiency
Calculates combustion efficiency from measured values.

Pump Pause
The pump pauses automatically when HOLD is pressed to save battery life.

Pump Purge
When the meter is turned off, the pump will continue to pump gas through the meter until the meter is clear of combustion products.

Internal Pump

No more pumping by hand.

Bright Blue Backlight
Easily read the LCD in dark places such as a poorly lit basement.

Threaded Barrel Lock
Holds the barrel and handle in place while you tune the equipment. Screw into the flue for clean and easy mounting of the shoot.

Easy Temp Calibration
K-type thermocouple cal pot on face.

Magnetic Hanger

Keep your hands free.

And More:

- Triple line display.
- Long barrel for large flues.
- Rugged rubber boot.
- Rugged ABS plastic.
- Water trap and filter.
- 8' dual-channel hose.
- Auto-Power-Off (APO) to extend battery life.

Combustion Check with AutoPump

Custom Fuels

Just set your SOX3 to Custom, enter the %CO₂ max of any fuel, then measure normally. The screen below was taken from a wood pellet burner.

DO MORE



Triple Line Display

Three values are always shown so you don't have to cycle through screens. Evaluate the combustion products in real-time while you tune the burner.

20 mm

424 mm

73 mm

240 mm

240 mm