



Quick Start Guide

Model 327

Follow these basic steps outlined in this Quick Start Guide to get you up and running with your new meter quickly and easily



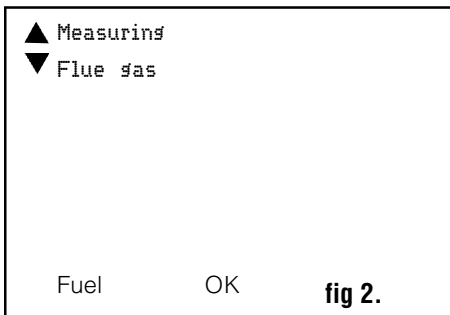
Product Description:

- ① - IR interface, ON/OFF switch
- ② - Display
- ③ - Control keys
- ④ - Power supply, probe connections, gas outlet
- ⑤ - condensate trap
- ⑥ - battery, cells compartment
- ⑦ - magnetic back

Step 3- Turn Instrument ON

- ✓ **Test screen displayed (all segments are lit : 3s)**
- ✓ **Initial screen displayed (Serial number, firmware version, instrument model number, date, time and country code : 5s)**
- ☞ Orange hot keys can be used to:
 - change fuel (Fuel)
 - enter flue gas measuring mode (Flue g)
 - enter diagnostics mode (Diagnost)

✓ **Measuring Mode Displayed (fig. 2)**



Change measurement mode (press) (See Fig xx Measuring Mode menu items)

- ☞ Orange hot keys can be used to
 - change fuel (Fuel) (some modes)
 - select measuring mode (OK)



fig 1.

Step 1 - Charge battery.

Before using completely charge the battery (for how long)

- attach power supply to analyzer
- plug the power cord into wall socket

Step 2-
Attach Probe to Instrument
see fig 1.

Step 4 - Select Measuring Mode see fig 5

(EXAMPLE: Flue Gas Measuring Mode)

Note: Items in display are user configurable and may not match this example

- ☞ Press OK hot key to enter mode (Note: press esc to exit mode)

CAUTION:
30 SEC. COUNTDOWN IS A NULL CALIBRATION. ENTER THIS MODE IN CLEAN AIR ONLY

✓ **Flue Gas Null Calibration Screen Displayed (fig. 3)**

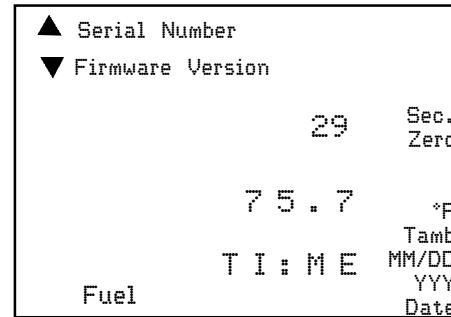


fig 3

- ☞ Change fuel (press ▲ / ▼)
- ☞ Orange hot keys can be used to:
 - change fuel (Fuel)
 - change date and time (Date)

Reminder: verify date and time

✓ **Initial flue gas measuring mode screen displayed (fig. 4)**

Note: This display will only appear if a Null Calibration has NOT been performed. Reentering Flue Gas mode after Null Calibration will bypass this display.

Reminder: Dashes (----) appear when that data field is empty

- Data has not been saved
- Calculation is out of limits
- Probe/sensor has not been installed

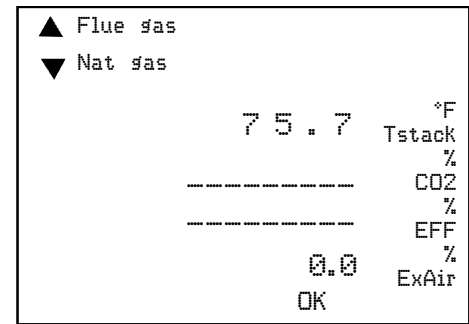


fig 4

- ☞ Change fuel (press ▲ / ▼)
- ☞ Orange hot keys can be used to:
 - enter measuring mode (OK)

✓ **Flue Gas Measuring Mode Screen Displayed (fig. 5)**

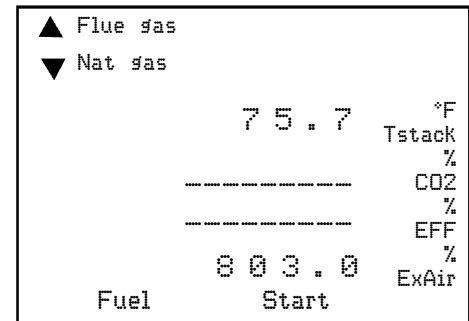


fig 5.

- ☞ Scroll though line items (press ▲ / ▼)
- ☞ Orange hot keys can be used to:
 - change fuel (Fuel)
 - Start measuring flue gasses (Start)

Reminder: Probe must be inserted into stack to take stack measurements

Step 5 - Insert gas-sampling probe into stack

CAUTION:
Water trap level should be monitored and emptied to avoid damage that is possible when moisture is pumped into analyzer

✓ **Flue Gas Measuring Mode Displayed** (fig. 6)

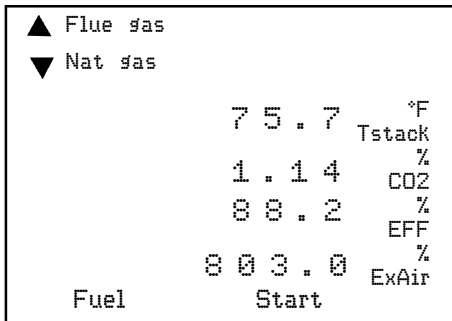


fig 6

☞ Scroll through line items (press ▲ / ▼)

☞ Orange hot keys can be used to:

- change fuel (Fuel)
- start measuring flue gasses (Start)

Reminder:
Probe must be inserted into stack to take stack measurements

☞ Orange hot keys can be used to:

- print real time measurements
- lock in measurements (Stop)

Reminder:
This assumes you pressed the START button on the previous screen

Step 6 - Print locked-in data

✓ **Flue Gas Measuring Mode Displayed** (fig. 7)

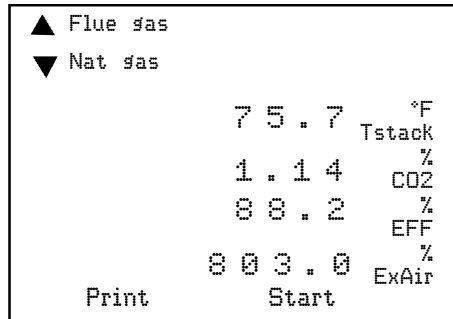


fig 7

☞ Orange hot keys can be used to:

- print locked-in measurements (Print)
- Start a new test (Start)

Reminder:
This assumes you pressed the STOP button on the previous screen

CAUTION:
Pressing Start again will write over locked-in data from previous real-time flue gas measurements.

Items NOT to be written over are:

- Draft
- CO-AirFree
- When stored independent measurement
- Smoke/Oil
- Diff prs
- Delta Temp
- Ambient CO

Step 7 - Turn OFF instrument

Analyzer will enter a purge mode from 1-90 seconds based on last O2 measurement taken then cycle off

CAUTION:
All locked-in and saved data will be deleted

Step 8 - Care for your analyzer

- ☞ Empty water trap daily (minimum) or when it appears to be full (see figure 8)
- ☞ Disconnect probe from the instrument during storage of the analyzer while not in use
- ☞ Replace the particle filter when visibly dirty (see fig. 9)



fig 8



fig 9

Please read, understand and follow the directions, pre-cautions and warnings in the product instruction manual.

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