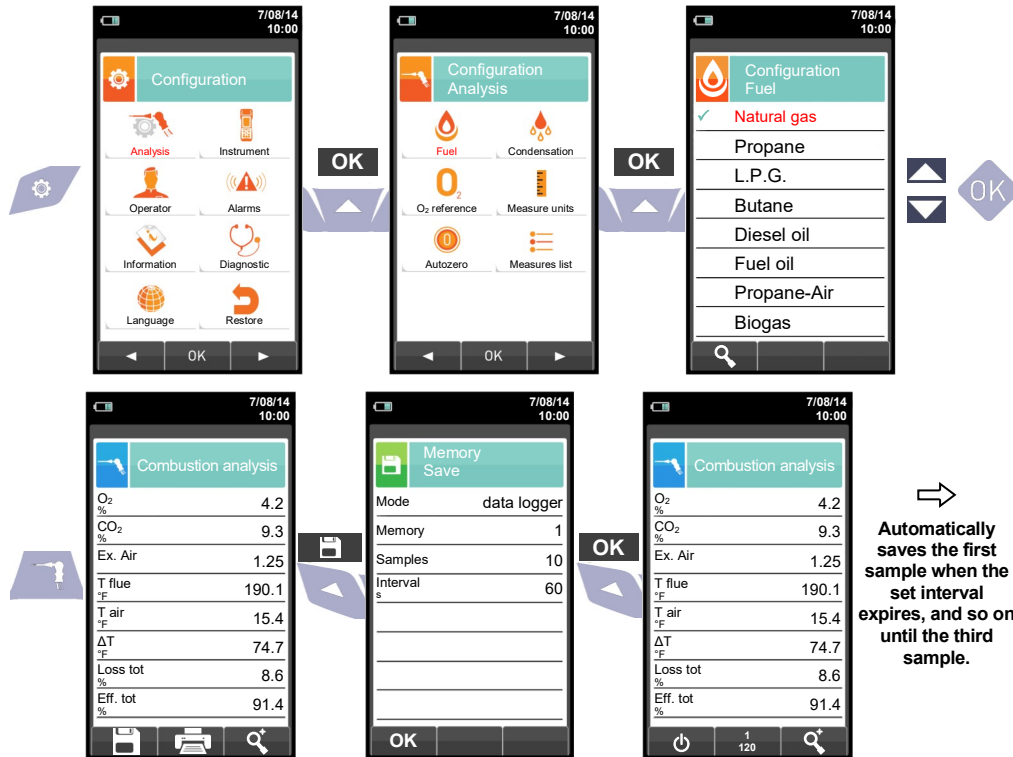


7 COMBUSTION ANALYSIS & SAVING

1500 QUICK GUIDE

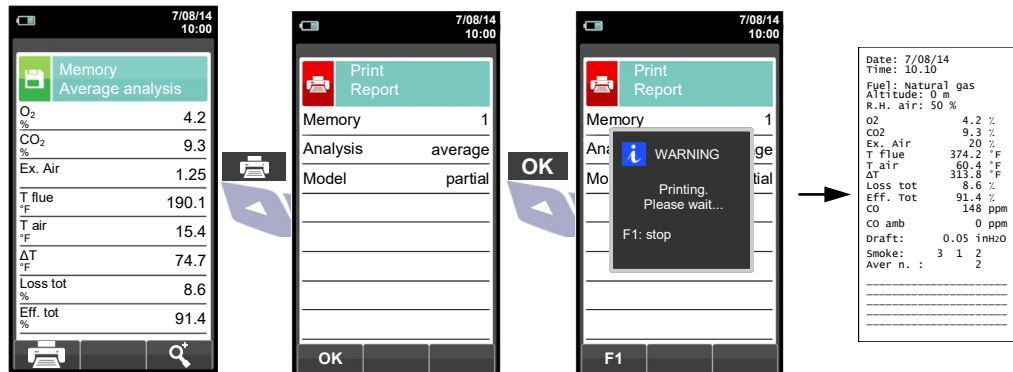


WARNING! - Before proceeding with the combustion analysis remember to set the proper fuel.



Automatically saves the first sample when the set interval expires, and so on until the third sample.

In case the automatic print mode is set then the average analysis printing start automatically. Conversely, after the sampling of the third analysis, the average analysis is shown, so that it can be sent to the printer as explained in the following.



• To view different test measurements, use 'Find' key to scroll through the various test measurement screens.
Xair = Excess Air **Tg** = Flue Gas Stack Temperature **Ta** = Ambient or Incoming Air Temperature
ΔT = Differential Temperature (NET Temperature) **Eff. tot** = Total Combustion Efficiency **Loss tot** = Stack Losses

Compliant with: EN 50379-1, EN 50379-2

COMPLETE MANUAL ON USB FLASH DRIVE

Features

- Combustion, Flue gas & Emissions analysis
- Calculating of stack heat loss and efficiency
- CO environment measurement
- Measuring differential pressure
- Draft measurement
- Pressure measurement in the gas supply pipe
- Store Smoke values, calculating mean value

The magnets in the back of the instrument can damage credit cards, hard drives, mechanical watches, pacemakers, defibrillators and other devices proven sensitive to magnetic fields. It is recommended to keep the instrument at a distance of at least 10" away from any of these devices.



KEYBOARD FUNCTIONS

KEYS	FUNCTION
	Activate the context keys shown on the display
	Enters the Memory menu
	Enters the Print menu
	Enters the Configuration menu
	Previews the combustion analysis
	Enters the measurements menu
	Turns the instrument on/off
	Quits the current screen
	Selects and/or modifies
	Confirms data

CONTEXT KEYS

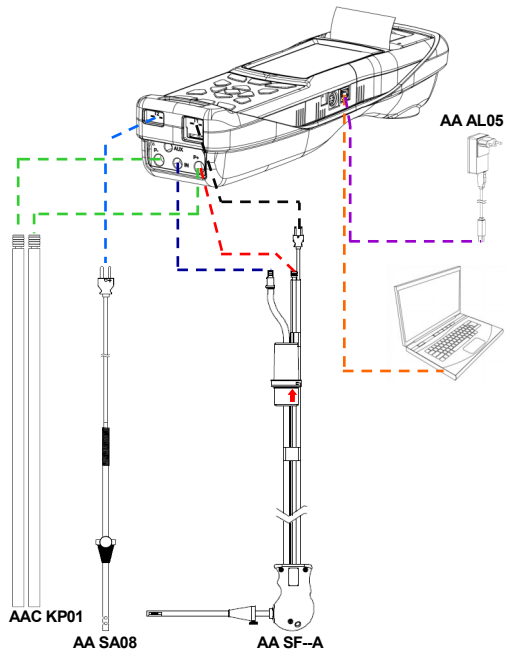
CONTEXT KEY	FUNCTION
	ZERO the pressure sensor
	Updates the measure
	Saves the current measurement or analysis in the memory location selected from the 'Select Memory' menu
	Starts the report ticket
	Enters the Print menu
	Stops the flue gas analysis
	Enters the modify mode for the selected parameter
	Confirms the settings
	Cancel the change/operation and returns to the previous screen
	Zooms the screen
	Shows the details for the selected parameter
	'Find' function; starts a quick search for the analysis to recall

E Instruments respects the nature and the environment, therefore provides this quick user guide to avoid any unwanted waste of paper. However the complete manual for use and maintenance of the instrument is already available in the USB stick (included). Respect your environment: think before printing the full manual on paper.



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 info@E-Inst.com - www.E-Inst.com

1 USING THE FLUE GAS ANALYSER



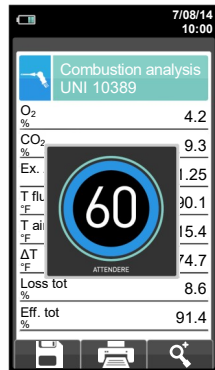
- WARNING!**
- Be sure all connections are tight to assure accurate sampling.
 - It is important that water trap & filter be installed vertically to prevent damage from moisture & particles to sensors.
 - When conducting measurements, the water trap/filter assembly **MUST** be in a VERTICAL position.
 - When testing is completed, always drain the water trap with any condensation (after EVERY test!).

2 ON / OFF

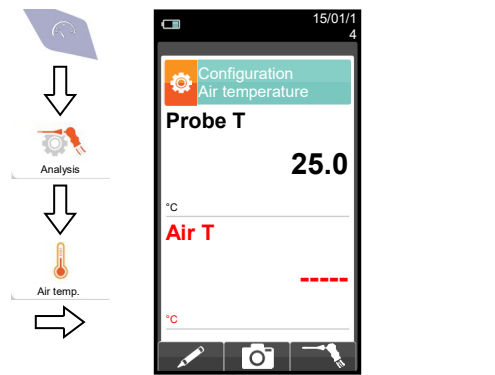
WARNING!
During autozero **DO NOT** insert the gas probe in the chimney.



KEEP PRESSED FOR 2 SECONDS UNTIL IT BEEPS

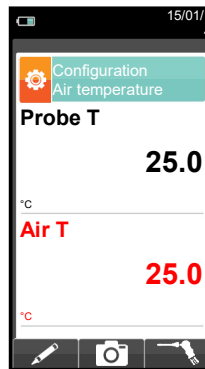
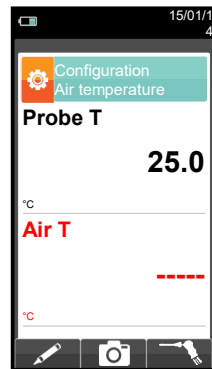


3 PRIMARY OUTDOOR TEMP. INPUT



It saves the value, acquired or entered in the parameter 'Air T'.

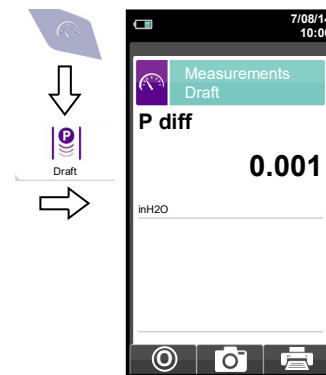
Acquires the temperature value detected from the sampling probe. That value is reported in the parameter 'Air T'.



4 HOW TO STOP / RESTART PUMP

While in manual analysis, holding pressed both keys **ESC** and **☐** makes the instrument switch off the suction fumes pump and blocks the refresh of any current measure. To switch on the suction fumes pump again and reactivate the refresh of the current measure, press again the keys **ESC** and **☐**.

5 MEASURE OF THE DRAFT



Before zeroing the pressure it is mandatory to REMOVE the probe from the chimney.



ZERO Draft Sensor



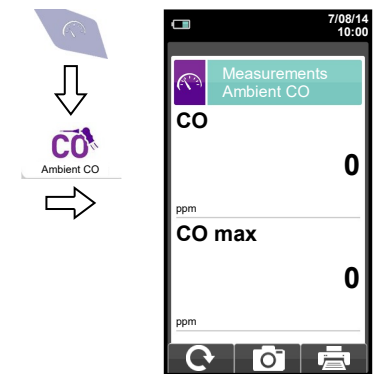
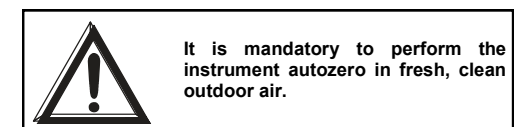
Once the pressure zeroing is completed insert the probe in the chimney and measure the draft.



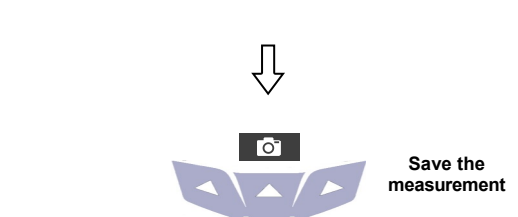
View & Save the DRAFT measurement.



6 MEASURE AMBIENT CO



Connect the gas probe to the instrument and perform the measurement. Wait 5 minutes.



Save the measurement

