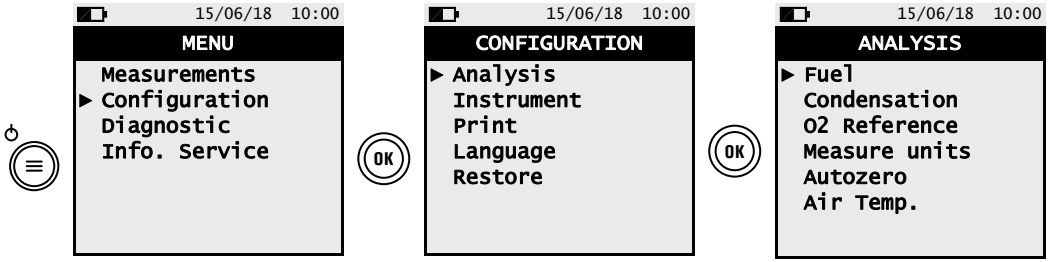
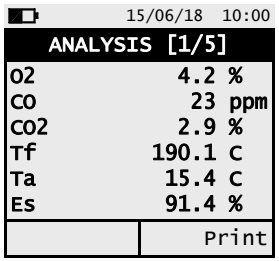
5 COMBUSTION ANALYSIS

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



Once configured the analysis menu, push repeatedly (ESC) to go back to the analysis screen and proceed with the combustion analysis.



Print

FAC-SIMILE

SCAN THE QR CODE USING THE E INSTRUMENTS APP "E-INSTRUMENTS QR CODE APP", TO DOWNLOAD THE DATA.

E500 QUICK GUIDE CE

FEATURES

- Combustion, Flue gas analysis
- Calculation of stack heat loss and efficiency
- CO environment measurement
- Measuring differential pressure
- Draft measurement
- Pressure measurement in the gas supply pipe

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.
	Turns on and off the instrument. - If pressed briefly, accesses the instrument menu. - If pressed for at least 2 seconds, turns off the instrument.
ESC	Exits the current screen.
OK	Confirm settings.
	Select and/or Modify.

CONTEXT KEYS

CONTEXT KEY	FUNCTION
Save	This measurement will be stored on the ticket (Printout/QR Code) of the current combustion analysis.
Print	According to the version of the instrument and/or according with the related setting, it is possible to print or visualize the QR code.
Keep	Proceed with the combustion analysis.
Repeat	Repeat the autozero phase.

E INSTRUMENTS
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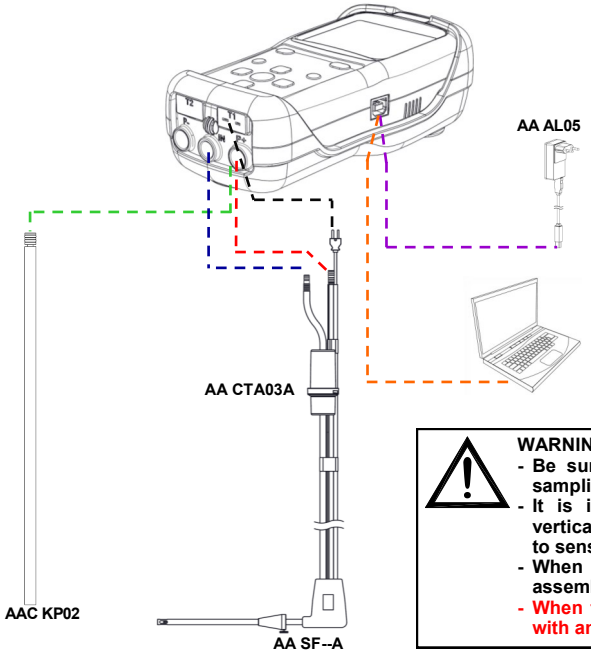
K100000000EJ 030477 180718

1 USING THE FLUE GAS ANALYZER



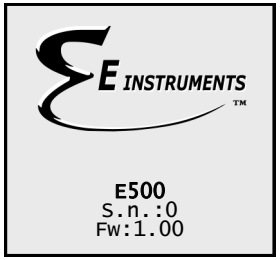
WARNING!
- Be sure all connections are tight to assure accurate sampling.
- It is important that water trap & filter be installed vertically to prevent damage from moisture & particles to sensors.
- When conducting measurements, the water trap/filter assembly MUST be in a VERTICAL position.
- When testing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

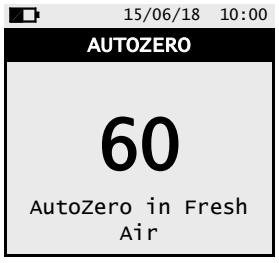
2 ON / OFF

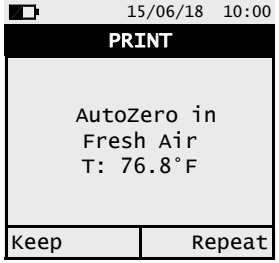
- The Primary Combustion Air temperature is acquired during the Autozero phase.
- Insert the TcK connector of the gas sampling probe before starting the instrument and let it draw clean air, in order to get a correct temperature value. If the connector is not plugged in, the temperature will not be acquired.

- Storing of the Ambient Temperature:
  Condensing Boilers /Furnaces:
  Upon Completion of the Autozero in fresh outdoor air, Press the KEEP button to store the outdoor temperature being used for primary air
  Atmospheric Boilers / Furnaces:
  Upon Completion of the Autozero in fresh outdoor air, move the E500 INDOORS to the exact location of the appliance and once the temperature stabilizes to the INDOOR temperature, Press the KEEP button to store the indoor temperature being used for primary air

Keep pressed for a few seconds



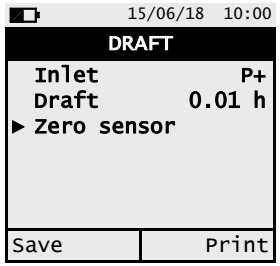




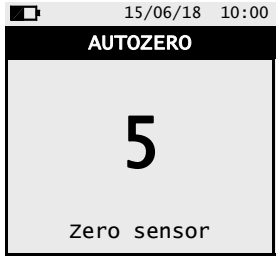
3 MEASURE OF THE DRAFT

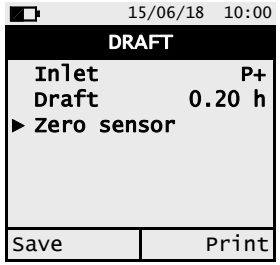
Menu→Measurements→Draft

To measure the draft proceed as follows:
- Connect the probe pressure input hose to the instrument P+ input.
- Before ZEROing the Pressure/Draft sensor, please be sure to remove the gas probe from the stack first
- Upon completion of the Zeroing of the Draft Sensor insert the probe in the stack to measure the Draft.

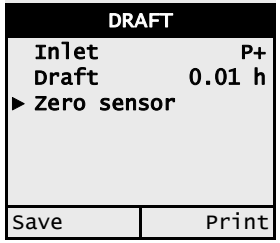


OK





Save

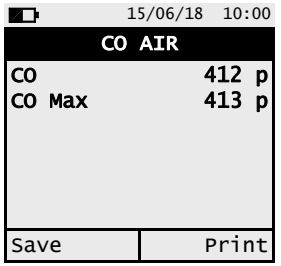


Print

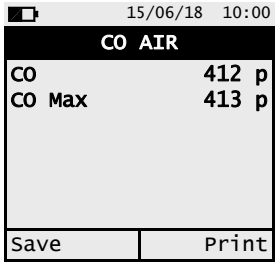
4 MEASURE AMBIENT CO

Menu→Measurements→CO air

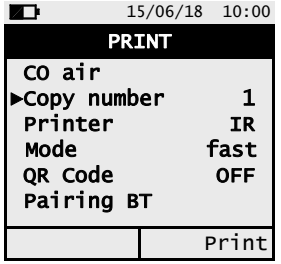
It is compulsory to perform the autozero in clean air, so that the environment CO measurement results correct. It is advisable to turn on the instrument and wait for the autozero completion outside the area where the test is being performed.



Save



Print



Print