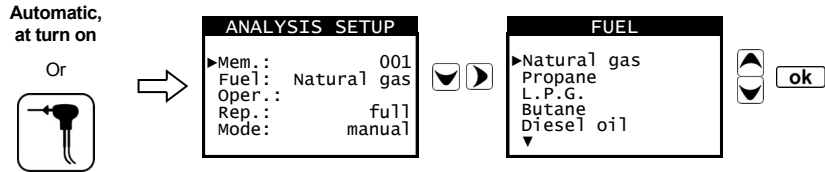


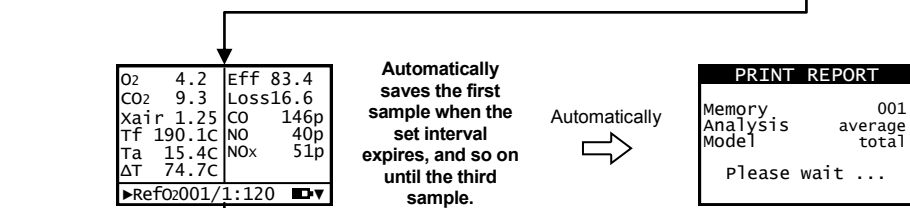
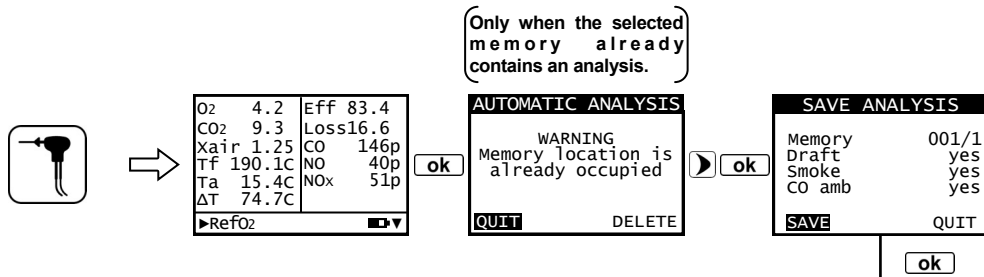
6 FLUE GAS ANALYSIS

WARNING!

Before proceeding with the combustion analysis remember to set the proper fuel and analysis mode through the menu "SET ANALYSIS", as described in the following:



Using the menu "SET ANALYSIS" you can also set the number of memory in which the acquired data ("Memory") are stored, as well as set the data of the operator performing the analysis ("Oper.") and finally the model of receipt to be printed ("Rep.").

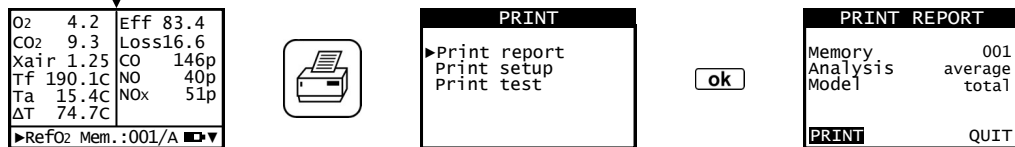


Automatically

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.

Note: at this stage turn on the printer (BT / IR) and place it close to the instrument.



BTU900 QUICK GUIDE



Compliant with: EN 50379-1, EN 50379-2, UNI 10845, UNI 10389-1

COMPLETE MANUAL ON USB FLASH DRIVE

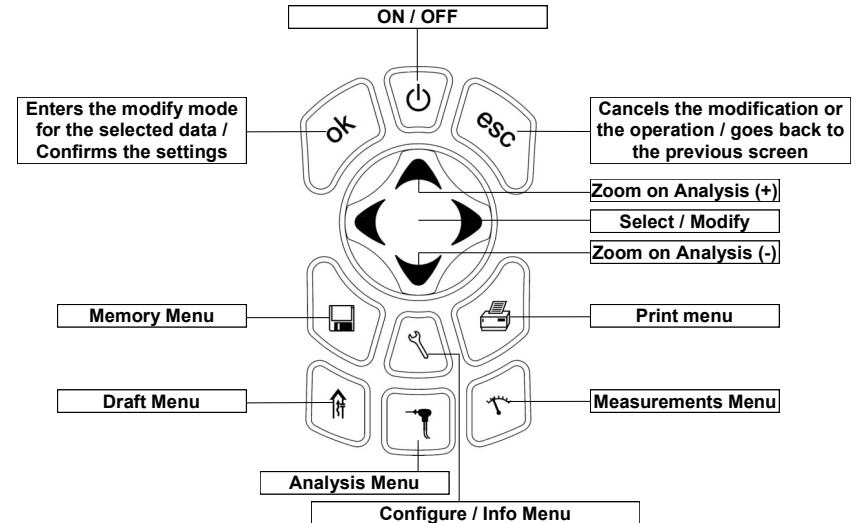
Features

- Flue gas analysis according UNI 10389-1
- Calculating of stack heat loss and efficiency
- CO environment measurement
- Store Smoke value, calculating mean value
- Measuring differential pressure
- Draught measurement according to UNI 10845
- Pressure measurement in the gas supply pipe.



The magnets in the back of the instrument can damage credit cards, hard driver, 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 these devices.

KEYBOARD FUNCTIONS

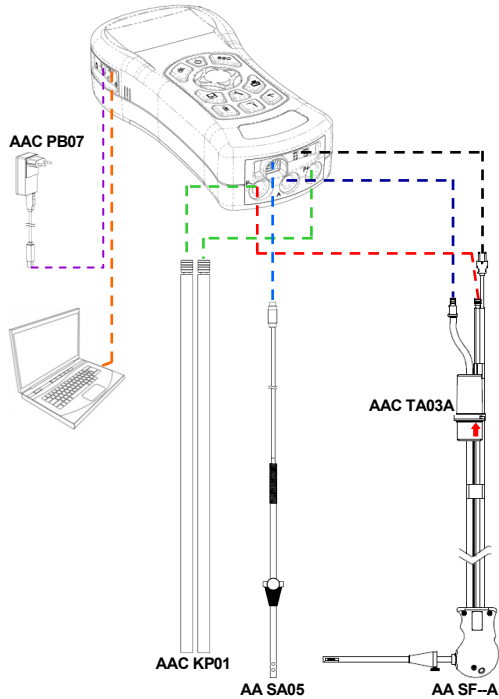


E Instruments respects the nature and the environment, therefore provides this quick user guide to avoid any unwanted waste of paper. However the complete manual for use and maintenance of the instrument is already available in the USB stick (included). Respect your environment: think before printing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



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 Tel: (215) 750-1212; Fax: (215) 750-1399
 info@E-Inst.com - www.E-Inst.com

1 USING THE FLUE GAS ANALYSER



2 ON / OFF

KEEP PRESSED FOR 2 SECONDS

BTU900
SN:00001 ver:1.00

AUTOZERO STARTED

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

WARNING
Do not insert the gas probe in the chimney

3 PRIMARY / OUTDOOR TEMP. INPUT

CONFIG/INFO
►Analysis config.
Instrument config.
Information

ok

CONFIGURATION
►Fuel
Measurement units
O₂ Reference
Automatic analysis
Condensation

9 x

CONFIGURATION
▲Alarms
Autozero/pump
Operator
Report header setup
►Air T

ok

AIR T
►Air T
TC K temperature

ok

AIR T
Air T ----- °F

ok

AIR T
Air T

ok

AIR T
Air T

68.4 °F

QUIT KEEP

▶

AIR T
Air T

68.4 °F

QUIT KEEP

ok

ok

4 MEASURE OF THE DRAFT

DRAFT
WARNING
Use P+ positive inlet

ok

DRAFT
0.1 inH₂O

ZERO KEEP

ok

↓

Wait: zeroing instrument

↓

DRAFT
0.0 inH₂O

ZERO KEEP

▶

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

The measured value of the draft may be associated to the ongoing analysis or directly printed on the ticket through the "Print" menu.

▶

ok

Save the measurement

O ₂	4.2	Eff	83.4
CO ₂	9.3	Loss	16.6
Xair	1.25	CO	146p
Tf	190.1c	NO	40p
Ta	15.4c	NOx	51p
ΔT	74.7c		

▶RefO₂ Auto:001

PRINT
►Print report
Print setup
Print test

2 x ok

5 MEASURE AMBIENT CO

It is mandatory to perform the instrument autozero in clean air.

MEASUREMENTS
►Smoke
Ambient CO
Pressure
Tightness test
TC K temperature

▼

MEASUREMENTS
Smoke
►Ambient CO
Pressure
Tightness test
TC K temperature

▶

AMBIENT CO
CO 0 PPM
CO_{max} 0 PPM

START KEEP

The CO ambient gas gives a measurement about the safety of the environment in which the operator is working. The concentration values can be associated to the ongoing analysis or printed through the Print menu.

▶

ok

Save the measurement.

AMBIENT CO
CO_{max} 0 PPM

START KEEP

▶

PRINT
►Print report
Print setup
Print test

2 x ok