



SI-CA 030

Quick Start Guide

EN

FR

ES

PT

IT






DE

ZH

Quick start guide



- These operating instructions describe the basic handling of the device.
- Please refer to the operating instructions available at www.sauermanngroup.com for safe use of the product and detailed information.
- Do not give this device to a child.
- 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 25 cm (10") away from any of these devices.
- These gas analyzers are designed to measure flue gases exhausting from combustion equipment. They are not designed for continuous operations and/or use as a control/alarm system

KEY	FUNCTION
	Turn the instrument on/off
	Down key, navigate through the menu
	Up key, navigate through the menu
	Confirm selection
	Enter main menu and/or back to previous screen

1 Before Using the Flue Gas Analyzer

WARNING!

- Be sure all connections are tight to assure accurate sampling.
- When conducting measurements, the water trap/filter assembly **MUST** be in a VERTICAL position.



Water trap OK



Water trap NOT OK



When testing is completed, always drain any accumulated condensation inside the water trap (after EVERY test!).

The condensate be slightly acidic, so avoid contact with skin and make sure condensate does not leak out of water trap.

2 Analyzers description



1. Min-DIN connection for CO and CO₂ probe
2. Thermocouple connection for air temperature
3. Thermocouple connection for flue gas temperature
4. P- connection
5. P+ connection
6. Gas connection
7. USB connection

3 Operating temperature, protection of the instruments and information about storage

- Operating temperature: from -5 to 45 °C (23 to 113 °F)
- Protection: IP42

If the instrument is stored outside the operating temperature (for example in a van, a warehouse,...) please let the analyzer acclimate to room temperature for at least 15 minutes before starting and operating the analyzer.

If the ambient temperature is lower than 10 °C (50 °F), the analyzer should be acclimated to ambient temperature before performing measurements.

4 First start-up



DO NOT insert the gas probe in the flue/chimney/stack.

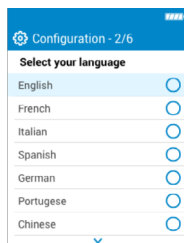
Keep  pressed for 3 seconds to turn on the analyzer.



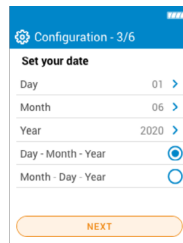
Press Down key to go to "Start" then press OK.



Select your country pressing Up and Down keys and validate with OK.



Select your language pressing Up and Down keys and validate with OK.



Set the date pressing OK on each line, use Up and Down keys to select the correct item and validate with OK then go to "Next".

Set the time pressing OK on each line, use Up and Down keys to select the correct item and validate with OK then go to "Next".

Set your time zone pressing OK on each line, use Up and Down keys to select the correct item and validate with OK then go to "Next".

Select if you want your pump turned ON or OFF after Auto-Zero pressing OK then go to "Save".

Autozero is in progress.

The probe can be inserted in the chimney. The analyzer displays the measurements.





5 ON / OFF



During autozero, DO NOT insert the gas probe in the chimney.



Keep  pressed for 3 seconds to turn on the analyzer. Once the autozero is finished, insert the gas probe in the chimney and gas measurements are displayed.

Keep  pressed for 3 seconds to turn off the analyzer. Before powering off, disconnect hoses from the analyzer and empty and dry the water trap.

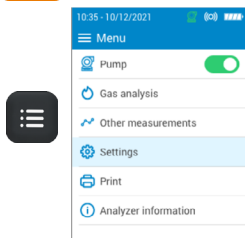
6 Stop / Restart the Pump

Press "Main Menu" key.
Press OK on "Pump" line to activate or deactivate the pump.

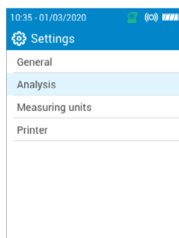
7 Combustion Analysis, Saving & Printing



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



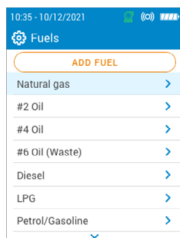
Go to "Settings"
and press OK.



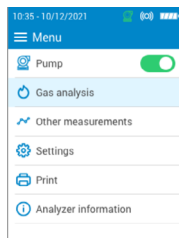
Go to "Analysis"
and press OK.



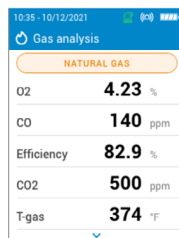
Press OK on
"Fuels" line.



Scroll through the
fuels and press OK
on the required one.



Once the required fuel is
selected, press "Main Menu"
key until the main menu is
displayed and press OK on "Gas
analysis" line.



Measurements of
the gas analysis are
displayed.

You can also quickly access the fuel selection menu via the fuel shown at the top of the combustion gas analysis screen

- To view the different measured parameters, use Up and Down key to scroll through the various parameters.
- To save combustion data, please use the Sauermann Combustion mobile phone app.
- To prints the results, use the Wireless Printer available as option.

The **Sauermann Combustion app** lets you control your Si-CA analyzer remotely, view measurement results in real time, and customise them before exporting in the format of your choice.



Download app



Graph view



Data view

Software & Apps / Logiciel & Applications / Software y aplicaciones / Software & Apps / Software und Anwendungen / 软件&应用



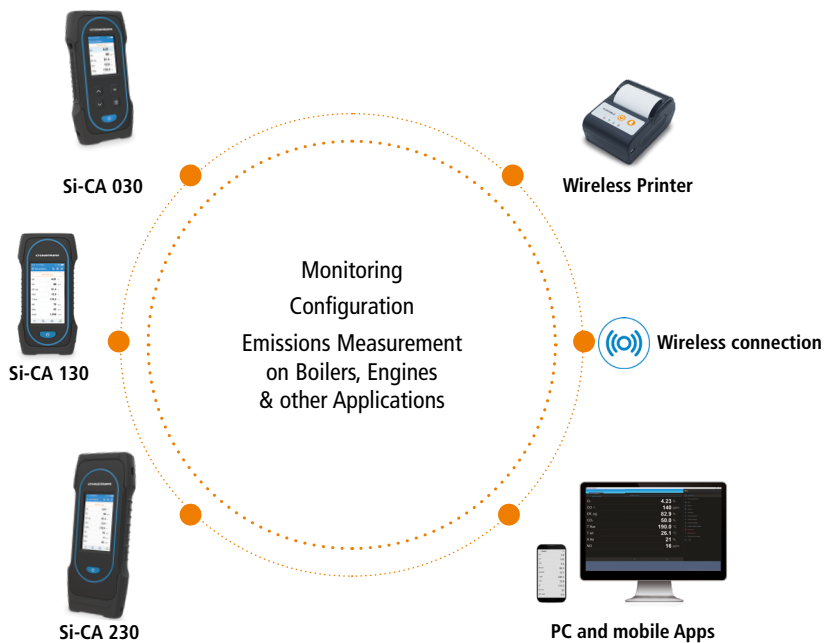
Download the **Sauermann Combustion App**
Télécharger l'application **Sauermann Combustion App**
Descargue la **Sauermann Combustion App**
Descarregue a **Sauermann Combustion App**
Herunterladen die **Sauermann Combustion App**
下载 Sauermann Combustion App 应用



Download the **Sauermann Combustion Software**
Télécharger le logiciel PC **Sauermann Combustion**
Descargue el **Sauermann Combustion software**
Descarregue o software do PC **Sauermann Combustion**
Herunterladen die **Sauermann Combustion software**
下载 Sauermann Combustion software 软件



Download the full manual
Télécharger le manuel complet
Descargue el manual de usuario
Descarregue o manual completo
Herunterladen das komplettes Handbuch
下载完整的操作手册



Customer service portal / Portail service clients / Portal de servicio al cliente / Portal de Atendimento ao Cliente / Kundendienste Portal 客户服务平台

Use our Customer service portal to contact us
Utilisez notre Portail service clients pour nous contacter
Contacte con nosotros a través del Portal de servicio al cliente
Entre em contato conosco através do nosso Portal de Atendimento ao Cliente
Verwenden unser Kundendienste Portal zum kontaktieren sie
使用我们的客户服务平台联系我们

<https://sauermann-en.custhelp.com>

