



sauermann Class 110 Portables User Guide

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CLASS 110 PORTABLES

AQ 110, CO 110, CT 110, HD 110, LV 110-111-117, LV 130,
MP 110-111-115-112, MP 120, MP 130, VT 110-115

Quick Start Guide



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Class 110 Portables

These portable instruments are used to measure the following parameters: temperature, relative humidity, pressure, airflow and air velocity, CO and CO₂.

Operating temperature, protection of the instruments and information about storage

Conditions of use (°C/%RH/m): from 0 to +50 °C (AQ 110 / CO 110 / CT 110 / LV 130 / MP 110-111-115-112 / MP 120 / MP 130 / VT 110-115); from -10 to 50 °C (HD 110). In non-condensing conditions. From 0 to 2000 m.

Protection: IP54

Storage temperature: from -20 to +80 °C.

If the instrument is stored outside the operating temperature (for example in a van, a warehouse...), please wait for 10 minutes in its operating temperature before start using it.

Keys

KEY	FUNCTION
	ON-OFF/Esc. Turn the instrument on/off and allow to back to previous selection.
	OK key. Confirm selection
	Select key. Navigate throught the menu
	HOLD/min/max key. Hold value, and display minimum and maximum values
	Backlight key. Activate/Deactivate the backlight

Select the language of the device

Switch on the instrument by pressing briefly on "On/Off/Esc".

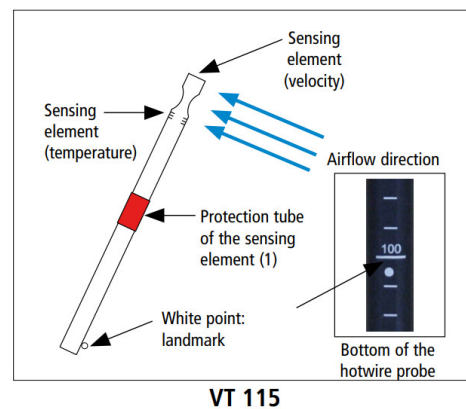
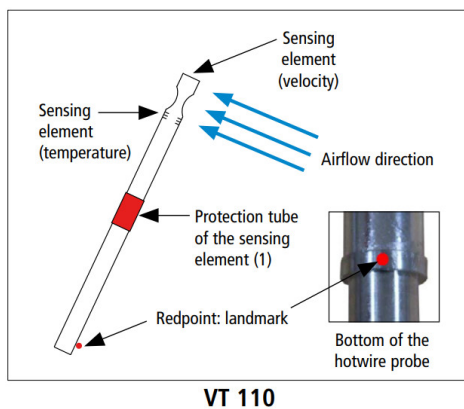
During start-up, carry out a long press simultaneously on "On/Off/Esc" and "Select".

Select the required language (English, French) with "Select" key. Validate pressing "OK".

Take a measurement

⚠ **VT 110:** before using the instrument with the hotwire probe, please lower the protection tube (1) of the sensing element.

⚠ **VT 110:** always use the hotwire probe with the red point (VT 110) or white point (VT 115) in front of flow.



Switch on the instrument by pressing briefly on “On/Off/Esc”.

The instrument displays its name then the measurement.

CO 110 and AQ 110: the instrument displays its name then a 5 s (CO110) or 10 s (AQ 110) countdown. This count corresponds to the preheating time of the sensor. At the end of the countdown, the measured value of CO and CO₂ is displayed.

MP 110, MP 120 and MP 130: the instrument displays its name then an autozero is performed. At the end of the autozero, the measured value displays.

Carry out a manual autozero (MP 110, MP 120, MP 130)

During measurement:

Remove pressure tubes and press “OK”.

The instrument makes an autozero then returns to the measurement display.

Hold the measurement

During measurement, press briefly on “Hold/min/max” to hold measurement: “Hold” appears on the screen and measurements are fixed.

Press again briefly “On/Off/Hold” to exit the Hold function.

Display minimum and maximum values

When measurements are hold:

Press “On/Off/Esc”: maximum value measured since the last questioning is displayed on the top of the screen and minimum value measured since the last questioning is displayed on the bottom of the screen.

Set the auto-off

The device is on and displays the measurements.

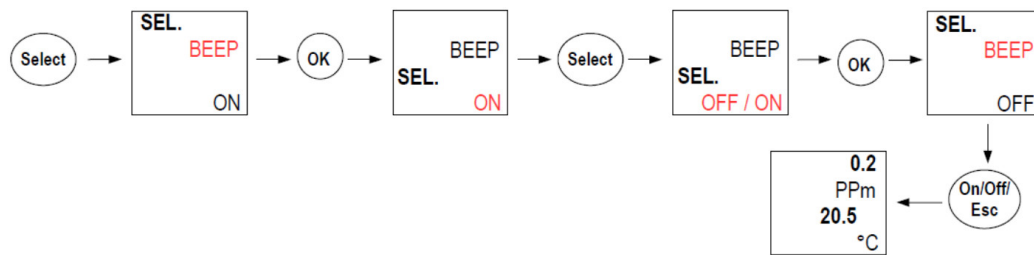
Press “Select” until “AUTO OFF” blinks on the screen and follow the instructions above:



Activate or deactivate the keys beep

The device is on and displays the measurements.

Press "Select" until "BEEP" blinks on the screen and follow the instructions above:



Batteries replacement

The instrument is OFF.

Remove the front part at the back of the instrument.

Replace used batteries by new batteries AAA LR03 1.5 V.

Replace the front.

! To ensure safety, replace batteries with the same type.

Not doing so might lead to explosion. Dispose of used batteries according to instructions.

Download the user manual



<https://sauermanngroup.com/en-INT/measuring-instruments/portable-instruments>

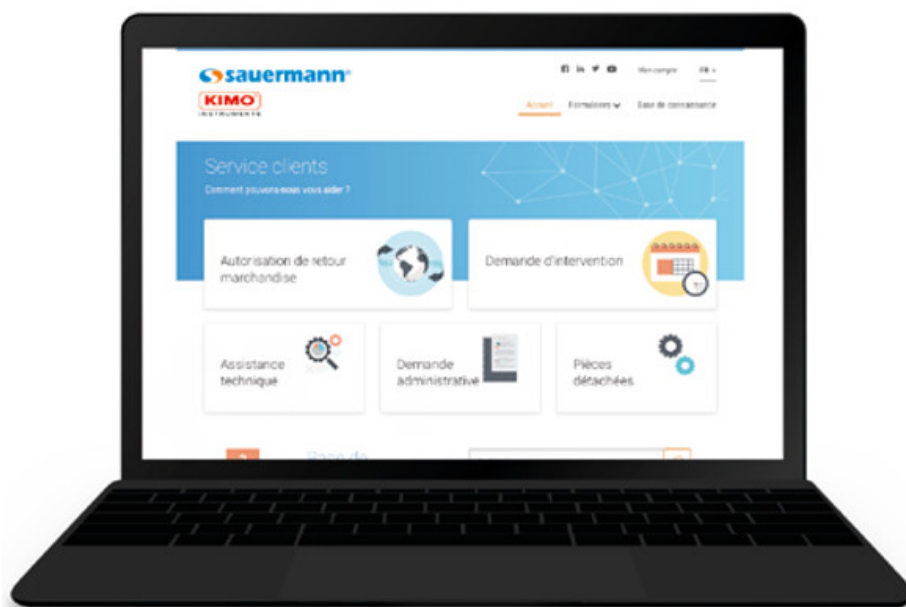
Sauermann Industrie ZA Bernard Moulinet 24700 Montpon France T. +33 (0)5 53 80 85 00	Sauermann Italia srl S.U Via Golini 61/10 40024 Castel S.Pietro Terme (BO) T. (+39)-051-6951033 F. (+39)-051-942254
Sauermann NA 140 Fell Court, Ste. 302 Hauppauge, New York 11788 T. (+1) 631-234-7600 F. (+1) 631-234-7605	Sauermann Ibérica C/Albert Einstein 33. Planta 3. P. I. Santa Margarida II08223 Terrassa (Spain) T. +34 931 016 975
Sauermann GmbH Leibnizstraße 6 D – 74211 Leingarten T. +49 (0)7131/399990 F. +49 (0)7131/399992	Sauermann Australia 1/36 Campbell Avenue, Cromer ,2099, NSW, Sydney T. (+612) 8880 4631
Sauermann UK Units 7-9, Trident Business Park Amy Johnson Way Blackpool – FY4 2RP T. +44 (0) 870 950 6378 F. +44 (0) 870 950 6379	Sauermann China No. 1, Changxu Road, Juyuan New Park, Jiading District, Shanghai T. (+86) 6100 1877 F. (+86) 6100 1870

services@sauermanngroup.com

Customer service portal

Use our Customer service portal to contact us

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



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QSG – Class 110 portables – 04/07/2023

Non-contractual document

We reserve the right to modify the characteristics
of our products without prior notice

Documents / Resources

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References

- [Manufacturer of Condensate Pumps and Measuring Instruments | Sauermann group](#)
- [Services - Homepage](#)

Manuals+.