

[Skip to content](#)

**Manuals+**

User Manuals Simplified.



## sauermann AQ 110 Air Quality Meter User Guide

May 11, 2022 May 12, 2022 [Leave a comment on sauermann AQ 110 Air Quality Meter User Guide](#)

[Home](#) » [sauermann](#) » sauermann AQ 110 Air Quality Meter User Guide 

 sauermann®



**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**



[www.sauermanngroup.com](http://www.sauermanngroup.com)

### **Class 110 portables**

These portable instruments are used to measure the following parameters: temperature, relative humidity, pressure, airflow and air velocity, CO and CO<sub>2</sub> .

Contents [hide](#)

[1 Operating temperature, protection of the instruments and information about storage](#)

[2 Keys](#)

[3 Take a measurement](#)

[4 Carry out a manual autozero \(MP 110, MP 120, MP 130\)](#)

[5 Hold the measurement](#)

[6 Display minimum and maximum values](#)

[7 Set the auto-off](#)

[8 Activate or deactivate the keys beep](#)

[9 Batteries replacement](#)

[10 Documents / Resources](#)

[10.1 Related Manuals / Resources](#)

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


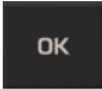
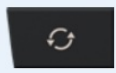


Conditions of use (°C/%RH/m): from 0 to +50 °C (AQ 110 / CO 110 / CT 110 / LV 130 / MP 110-111-115-112 / MP 120 / MP 130 / VT 110-115); from -10 to 50 °C (HD 110). In non-condensing conditions. From 0 to 2000 m.

**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.

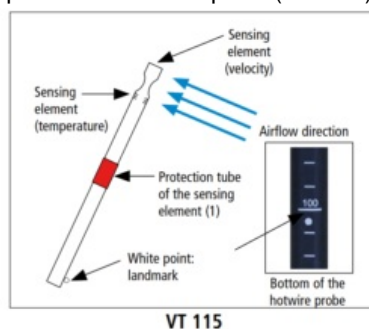
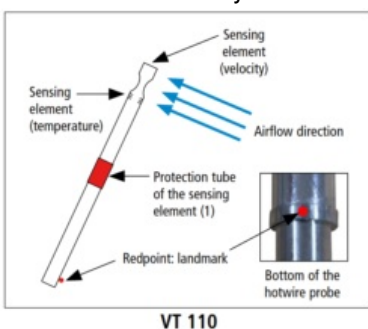
## Keys

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

## 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 hot wire probe with the redpoint (VT 110) or white point (VT 115) in front of the flow.



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

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 CO<sub>2</sub> 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 held:

Press "On/Off/Hold": 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

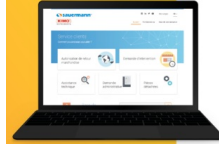
<https://sauermanngroup.com/en-INT/measuring-instruments/portable-instruments>

Sauermann 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

[info.uk@sauermanngroup.com](mailto:info.uk@sauermanngroup.com)

Customer service portal / Portail service clients



Use our Customer service portal to contact us  
Utilisez notre Portail service clients pour nous contacter

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

[www.sauermanngroup.com](http://www.sauermanngroup.com)

QSG – Class 110 portables – 27/04/2022 – Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice

## Documents / Resources



[sauermann AQ 110 Air Quality Meter](#) [pdf] User Guide  
AQ 110, CO 110, CT 110, HD 110, Air Quality Meter

## Related Manuals / Resources



### [sauermann DBM 620 Air Flow Meter Kit User Guide](#)

sauermann DBM 620 Air Flow Meter Start guide The DBM 620 air flow meter allows control and balancing...



### [amazon Smart Air Quality Monitor User Guide](#)

amazon Smart Air Quality Monitor User Guide ACTIVATE YOUR DEVICE MEET YOUR SMART AIR QUALITY MONITOR...



### [sauermann HM 110 Humidity Sensor User Guide](#)

sauermann HM 110 Humidity Sensor Quick Start Guide Humidity transmitter Operating temperature, protection of the instruments and information...



### [ELTEX SZ-AIR-HTQ01 Air Quality Sensor User Manual](#)

ELTEX SZ-AIR-HTQ01 Air Quality Sensor User Manual General information Air quality sensor SZ-AIR-HTQ01 is a multifunctional sensor that...

## Leave a comment

Your email address will not be published.

Comment

Name

Email

Website

Save my name, email, and website in this browser for the next time I comment.

[Manuals+](#),

- [home](#)
- [privacy](#)