



AMI 310

Quick Start Guide

EN

FR

ES

IT

DE

ZH

Quick start guide



The AMI 310 measures simultaneous parameters including pressure, temperature (Pt100 and thermocouple), humidity, air quality (CO/CO₂), air velocity, airflow (vane probes and hotwire), and tachometry.

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

- Operating temperature: 0 to +50 °C (+32 to +122 °F)
- IP 54
- Storage temperature: -20 to +80 °C (-4 °F to +176 °F)

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 starting and using it.

Rechargeable Li-ion battery inside the instrument, 16 h battery-life with a pressure module or 14 h a hotwire probe. The instrument is supplied with a 5 V, 1 A power adapter to load the internal battery. The current loading is indicated by a battery symbol on the top left of the screen. The orange led on the bottom of the instrument is also on until the full loading of the battery (the led turns green).

Directive 2014/53/EU

Hereby, Sauermann Industrie SAS declares that the radio equipment type AMI 310 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.sauermanngroup.com

1 Device description



1. Battery level
2. USB connection indicator
3. Battery level
4. Date and time
5. Home screen
6. Measurement menu
7. Dataset menu
8. Configuration menu
9. Information menu
10. Function keys
11. OK button
12. Navigation arrows
13. ESC button
14. On/Off button

2 Connections



1. Module
2. Location to remove the module
3. Battery
4. Probe handle



1. Mini-DIN C2 connection
2. Thermocouple inputs
3. Mini-DIN C1 connection

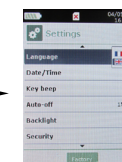


1. USB connection + power supply
2. Light indicator for battery charging

3 Set language



→ OK →



Press Up and Down arrows to select the required language: FRA, ENG

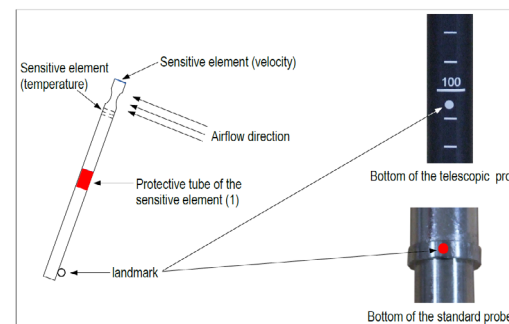
→ OK

4 Use of the probes

Connect a probe

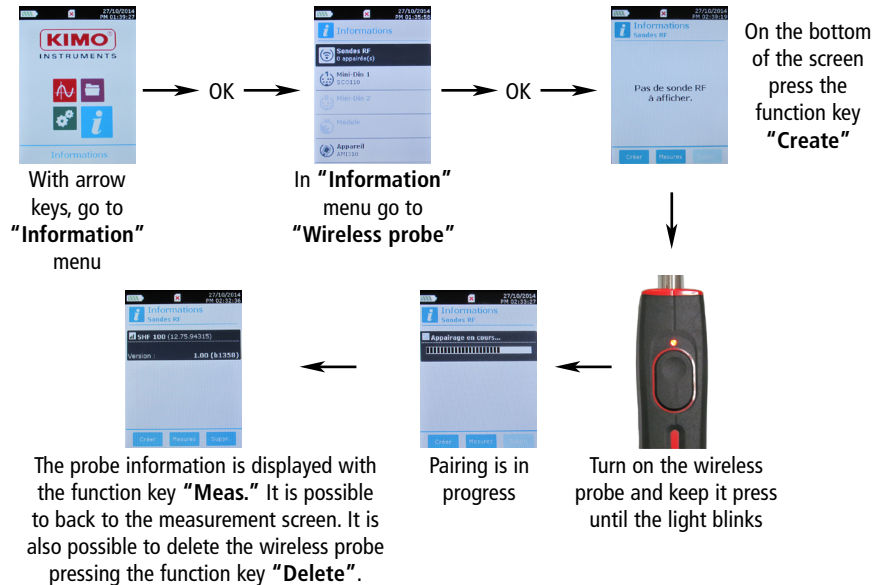
Connect the mini-DIN cable on the mini-DIN connection of the probe. Connect the mini-DIN cable with the probe on the instrument. A beep indicates that the operation has been correctly performed.

Special precautions for air velocity probes



Before any use of the device with an air velocity probe, please lower the protective tube (1) of the sensitive element (except vane probe). Always use the standard air velocity probe with the red point in front of the flow. Always use the telescopic probe with the white point in front of the flow.

Add a wireless probe



4 Start and record datasets

The instrument in on.

Select with arrows keys "Measurement" menu. Press OK.

Select with arrows keys the measurement in which the dataset will be performed.

Press "Functions" key then select "Dataset" with arrow keys and press OK.

Dataset menu is displayed.

Go to line "Name" with arrow keys and press OK.

A keypad is displayed on the bottom of the screen.

Select the letters with arrow keys then press OK.

To go from the lower case keypad to the upper case keypad then to the numeric keypad, press the function key: **aA1**

To delete a letter press the function key "Delete".

Press the function "Validate" to validate the name of the dataset.

A dataset is composed of several dated measuring points.

You can choose between an automatic dataset or a manual dataset.

Go to "Type" with arrow keys then press OK.

Select "Manu." for manual or "Auto." for automatic.

Go to "Start" then press OK.



View the recorded datasets

Go to the "Dataset" menu with the arrow keys from the home screen. The different measuring datasets are displayed. They are listed by date.

To delete all the datasets: press the function key "Del all".

To delete just one dataset: go to the dataset to delete with the arrow keys and press the function key "Delete".

A confirmation window opens: select YES to confirm the deletion or NO to cancel.



Launch averages

The instrument is on.

Go to "Measurement" with the arrow keys.

Press OK.

Press the function key "Functions" then select "Averages" then press OK.

"Average" menu is displayed.



5 Hold-Min./Max.

Go to "Measurement" menu with the arrow keys and press OK.

Measurements are displayed.

Press OK.

Measurements are frozen on the screen and the minimum and maximum values are displayed.



6 Perform an autozero

It is possible to perform an autozero with a pressure module.

This sub-function allows to manually compensate the potential deviations of the sensitive element over time through a manual adjustment of the zero.

For the 500 Pa pressure module with solenoid valve:

In the menu "Functions", go to "Autozero" then press OK.

For 2500 Pa, 10000 Pa, 500 mbar and 2000 mbar pressure modules without solenoid valve:

Unplug the 2 pressure connections tubes from the pressure module.

In the menu "Functions", go to "Autozero" then press OK.

快速入门指南



AMI 310 多功能便携式测量仪可用来测量以下多种参数:

差压, 风速, 风量, 温湿度, 温度, 照度, 大气压力, 转速, CO, CO₂, 可燃气体泄漏

1. 使用条件, 仪器储存和保养

使用条件 (°C/%RH/m):

0 ~ +50 °C, 非结露, 0 ~ 2000 m。防护等级: IP54。储存温度: -20 ~ +80 °C

如果仪器的储存环境是非工作温度范围(如货车、仓库等), 请在工作温度范围内等待至少 10 分钟再开始使用。

充电式锂电池可长时间连续使用:

电池可连续使用 16 小时(连接差压模块), 可连续使用 14 小时(连接热线式探头)。

标配一个 5V/1A 充电器, 可直接在主机上充电。当进行充电时, 测量仪屏幕左上角的电池图标有充电提示。仪器底部橙色的 Led 灯亮起, 充电完成后, Led 灯变成绿色。

符合标准 2014/53/EU

AMI 310 测量仪符合 2014/53/EU 标准, 详细文件可在索尔曼官方网站下载:

www.sauermanngroup.com

2. 仪器概述



1. 电池电量
2. USB 连接指示灯
3. SD 内存卡
4. 日期和时间
5. 主屏幕
6. 测量菜单
7. 数据群组菜单
8. 设置菜单
9. 信息菜单
10. 功能按键
11. 确认键
12. 方向键
13. 退出按键
14. 开 / 关按键

3. 连接端口



1. 测量模块
2. 按此处移除测量模块
3. 电池
4. 探头固定架



1. C2 探头通道 2
2. 2 通道热电偶温度探头输入
3. C1 探头通道 1

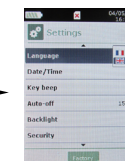


1. Mini-USB 端口, 用于连接电脑和电池充电
2. 电池充电指示灯

4. 设置语言



→ OK →



按上下键选择所需语言: 中文, 英文, 法文 ...

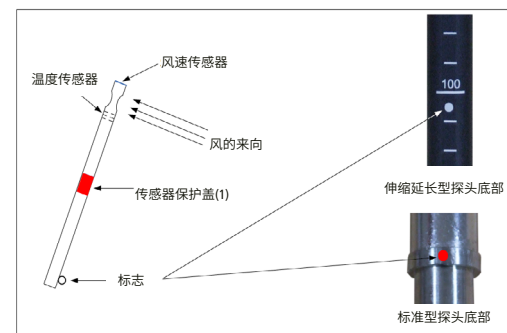
→ OK

5. 搭配使用探头

连接探头:

- 将探头专用电缆线端口连接至探头的端口。
- 将已连接探头的电缆线接到仪器探头端口。
- 当正确连接时, 主机将有一声 "哔" 的提示声。

使用风速探头时注意事项:



使用任何风速探头前, 请拉下传感器保护盖(1) (叶轮型探头除外)。

使用标准型风速探头时, 红点需朝向迎风面。

使用伸缩延长型风速探头时, 白点需朝向迎风面。

搭配使用无线型探头：



6. 开始和记录数据群组

开启仪器。

- 使用方向键选择“测量”模式菜单(如右图)，按 OK 键。
- 按上和下键选择要记录的测量参数。
- 按功能键“功能”然后按上和下键选择“数据群组”，按 OK 键。屏幕显示数据群组菜单(如右图)。
- 按上和下键选择“档案名称”，按 OK 键确认。屏幕底部出现键盘。
- 按方向键选择字母并按 OK 键设置。
- 键盘可切换小写字母到大写字母和数字，按功能键：**aA1**
- 删除字母则按功能键“删除”。
- 按功能键“确认”完成输入档案名称。

一个数据群组由多个测量点组合而成，可按需选择自动记录或手动记录。

- 按上和下键选择“种类”并按 OK 键。
- 选择“手动”就是手动记录，选择“Auto/自动”就是自动记录。
- 按上和下键选择“开始”并按 OK 键。

查阅数据记录群组：

- 使用方向键，选择“数据群组”菜单。屏幕显示所有不同的数据群组，数据群组依照日期排序。
- 删除所有数据群组：按功能键“全删”。
- 删除单个数据群组：按上和下键选择要删除的数据群组，按功能键“删除”。
- 此时，确认视窗将跳出：选择“是”确认删除或选择“否”取消删除，并按 OK 键。

开启和保存平均值：

开启仪器。

- 使用方向键，选择“测量模式”菜单。按 OK 键。
- 按功能键“功能”然后按上和下键选择“平均计算”并按 OK 键。屏幕显示“平均计算”菜单，根据需求选择计算方式后记录并保存。

7. 定格值，最小值，最大值

- 使用方向键，选择“测量模式”菜单，并按 OK 键。屏幕显示测量值。
- 按上和下键选择测量参数并按 OK 键。屏幕显示了测量定格值，最小值和最大值。

8. 零点校准

当测量仪搭配使用差压测量模块时，可进行差压零点校准。

每一段时间后，可手动或自动对于差压测量的零点进行手动或自动的校准归零。

- 手动零点校准：
当使用内置自动校零方式的 MPR 500 差压测量模块时：
在“功能”菜单内按上和下键选择“零点校准”并按 OK 键。

使用无内置自动校零装置的 MPR 2500 / 10000 / 500M / 2000M 差压测量模块时：

从差压模块上拔除连接在压力端口的压力连接管。

在“功能”菜单内按上和下键选择“零点校准”并按 OK 键。

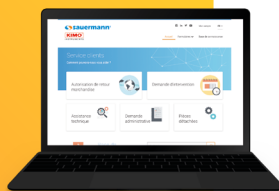


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Portal de servicio al cliente / Portale servizio clienti
客户服务平台

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Utilisez notre Portail service clients pour nous contacter
Contacte con nosotros a través del Portal de servicio al cliente
Utilizzate il nostro Portale servizio clienti per contattarci
使用我们的客户服务平台联系我们

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



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