

9 in 1 multi-sensor for air quality monitoring

User manual

Thank you for choosing the 9 in 1 Multisensor for indoor air quality monitoring. Z-Wave certified, the multisensor is compatible with the Gateways of the MyVirtuoso Home system.



www.myvirtuosohome.com
www.smartdhome.com

SmartDHOME

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General Safety Rules

Before using this device, certain precautions must be taken to reduce any risk of fire and / or personal injury:

1. Read all instructions carefully and follow all precautions contained in this manual. All direct connections to the mains conductors must be made by trained and authorized technical personnel.
2. Pay attention to all possible danger indications reported on the device and / or contained in this manual, highlighted with the symbol .
3. Disconnect the device from the power supply or battery charger before cleaning it. For cleaning, do not use detergents but only a damp cloth.
4. Do not use the device in gas saturated environments.
5. Do not place the device near heat sources.
6. Use only the original EcoDHOME accessories supplied by SmartDHOME.
7. Do not place the connection and / or power cables under heavy objects, avoid paths near sharp or abrasive objects, prevent them from being walked on.
8. Keep out of the reach of children.
9. Do not carry out any maintenance on the device but always contact the assistance network.
10. Contact the service network if one or more of the following conditions occur on the product and / or an accessory (supplied or optional):
 - a. If the product has come into contact with water or liquid substances.
 - b. If the product has suffered obvious damage to the container.
 - c. If the product does not provide performance conforming to its characteristics.
 - d. If the product has undergone a noticeable degradation in performance.
 - e. If the power cord has been damaged.

Note: Under one or more of these conditions, do not attempt to make any repairs or adjustments not described in this manual. Improper interventions could damage the product, force additional work to regain the desired operation and exclude the product from the warranty.

ATTENTION! Any type of intervention by our technicians, which will be caused by improperly performed installation or by a failure caused by improper use, will be charged to the customer.

Provision for Waste Electrical and Electronic Equipment. (Applicable in the European Union and in other European countries with the separate collection system).



This symbol found on the product or its packaging indicates that this product must not be treated as common household waste. All products marked with this symbol must be disposed of through appropriate collection centers. Improper disposal could have negative consequences for the environment and for the safety of human health. Recycling of materials helps to conserve natural resources. For more information, contact the Civic Office in your area, the waste collection service or the center where you purchased the product.

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Disclaimer

SmartDHOME Srl cannot guarantee that the information regarding the technical characteristics of the devices in this document are correct. The product and its accessories are subject to constant checks aimed at improving them through careful analysis and research and development activities. We reserve the right to modify components, accessories, technical data sheets and related product documentation at any time, without notice.

On the website www.myvirtuosohome.com the documentation will always be updated.

Description

The MyVirtuoso Home 9-in-1 ambient quality sensor is the most complete you could wish for to monitor the air quality in your home, offices and all the buildings where you spend most of the day. It can track levels of temperature, CO₂, noise, light intensity, humidity, volatile organic compounds, particulate matter, people and smoke.

Specifications

Power supply	110-230 Vca, 50/60 Hz (external power supply 12 Vdc)
Protocol	Z-Wave
Transmission frequency	868,4 Mhz
Consumption	< 3 W
Viewing angle	120°
Temperature detected	0°C ~ 50°C
Humidity detection	0-99% RH
PM2.5 detection	0-500 µg/m ³
CO₂ detection	0-5000 ppm
VOC detection	0-64.000 ppb
Brightness detection	0-40.000 Lux
Sound detection	30-100 dB
Operating temperature	-20°C ~ 60°C
Range	30 m in open field
Operating humidity	< 99% (not condensed)
Dimensions	110 x 110 x 32 mm

Package content

- 9 in 1 multi-sensor
- Power supply
- User manual

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Assembly

For correct assembly of the device, follow the instructions below:

- 1) Remove the metal plate on the back of the device and fix it with screws to the installation box.
- 2) Plug in the power, then place the device back on the plate (it will fix magnetically).

Operation

Once turned on, the display will show the information collected by the device. By holding down the F1 key on the side of the device for about 2 seconds, it will be possible to navigate in four different screens:

- Data collected by the 9 sensors inside the device;
- Device inclusion/exclusion screen;
- Calibration of sensors;
- Date and time settings.

Inclusion

Before starting the procedure for including the device in a Z-Wave network, check that it is turned on, then make sure that the MyVirtuoso Home HUB is in inclusion mode (refer to the relevant manual available on the website www.myvirtuosohome.com/downloads).

- Once the gateway is in inclusion mode, scroll on the multisensor screen to the inclusion screen using the F1 key, then quickly press the F2 key 5 times, until the icon  turns blue.
- Press and hold the F2 key to put the device into learning mode. The icon  that turns blue indicates that the inclusion process was successful.

Exclusion

Before starting the procedure for exclusion, the device in a Z-Wave network, check that it is turned on, then make sure that the MyVirtuoso Home HUB is in inclusion mode (refer to the relevant manual available on the website www.myvirtuosohome.com/downloads).

- Once the gateway is in inclusion mode, scroll on the multisensor screen to the inclusion screen using the F1 key, then quickly press the F2 key 5 times, until the icon  turns blue.
- Press and hold the F2 key to put the device into learning mode. The icon  that turns blue indicates that the inclusion process was successful.

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Disposal

Do not dispose of electrical appliances in mixed urban waste, use separate collection services. Contact the local council for information about available collection systems. If electrical appliances are disposed of in landfills or in inappropriate places, hazardous substances can escape into groundwater and enter the food chain, damaging health and well-being. When replacing old appliances with new ones, the retailer is legally obliged to accept the old appliance for free disposal.

Warranty and customer support

Visit our website: <http://www.ecodhome.com/acquista/garanzia-eriparazioni.html>

If you encounter technical problems or malfunctions, visit the site:

<http://helpdesk.smartdhome.com/users/register.aspx>

After a short registration you can open a ticket online, also attaching images. One of our technicians will answer you as soon as possible.



SmartDHOME Srl

V.le Longarone 35, 20058 Zibido San Giacomo (MI)

Product code: 01335-2025-00

info@smartdhome.com