
Sensi+ Quick Start Guide

Unpacking

If you are reading this document, you have already opened the box containing your instrument. While following the basic safety instructions provided below, proceed with unpacking the content of this box.

Basic Safety

Prior to proceeding with the installation and commissioning of this instrument, make sure to read and fully understand ALL the information in this Quick Start Guide. If you do not fully understand the content of this guide, contact qualified personnel for help.

Personnel



WARNING

Only properly certified personnel authorized by the site/plant operator should be in charge of planning instrument installation, electrical connection, commissioning, operation and maintenance.

Carefully **plan** any installation, modification or repair **before** actually proceeding.

Electrical



WARNING

Do not make electrical connections unless the electrical code designation stamped on the instrument data plate matches the classification of the area in which you want to install the instrument. Failure to comply with this warning can result in fire or explosion.

Improper Use

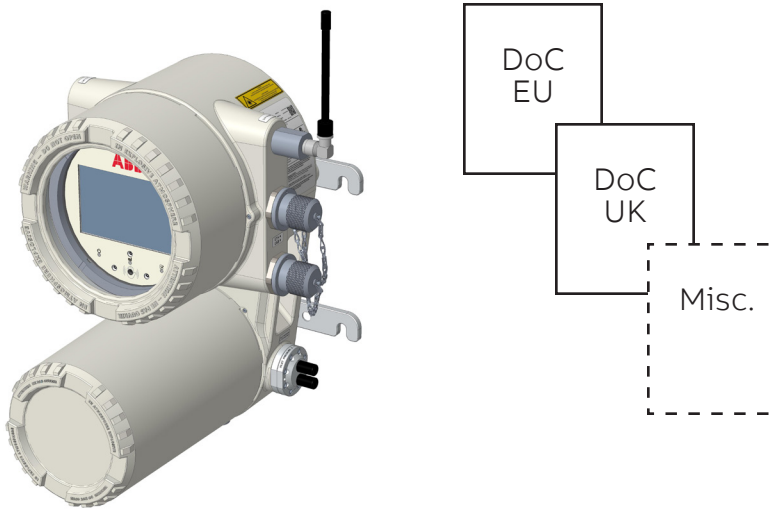
It is prohibited to use the instrument for any of the following, including but not limited to:

- A climbing aid, e.g., for mounting purposes.
- A support for external loads, e.g., as a support for pipes.
- By adding material, e.g., by painting over the name plate, or welding/soldering on parts.
- By removing material, e.g., by drilling the housing.

What's in the Box

- Sensi+ Quick Start Guide (this document)
- Miscellaneous order-specific documents (printed documentation, etc.)
- Sensi+ Gas Analyzer with mounted holding bars
- Declaration of Conformity

Figure 1 Content of the box



Should any part of the package be damaged upon reception, contact ABB customer service as indicated on the last page of this guide.

Planning for Installation and Commissioning

All personnel participating in the planning, installation, commissioning, and maintenance of the Sensi+ Gas Analyzer must have read and fully understood the following documentation:

- Sensi+ Product Safety Guide (part no. 3KXG165001R4501)
- Sensi+ Installation and Commissioning Guide (part no. 3KXG165001R4401)
- Sensi+ User Guide (part no. 3KXG165001R4201)

These documents can be found on the product page: <https://bit.ly/3CHoNkE>



Proper planning and preparation will result in detailed documents providing information for:

- Physical location and mounting of the instrument
- Cabling and communication
- Gas sampling and gas connection
- Instrument configuration

All documents produced during preparation and planning should be available to qualified and authorized personnel in charge of installing and commissioning the instrument, and to the authority having jurisdiction (AHJ).

Handling the Instrument

The instrument weighs 50 kg (110 lb). It is not designed to be handled by one person. At least two people should be handling the instrument.

To avoid personal injuries, make sure to follow the proper lifting and carrying instructions when handling the instrument.

General Lifting and Carrying Precautions

The use of proper methods for lifting and handling objects protects against injury and makes work easier. Over time, safe lifting technique should become a habit.

The following are essential steps to safe lifting and handling:

- Eyeball the load and check overall conditions. Do not attempt to lift by yourself loads that appear to be too heavy or unwieldy.
- Make sure that there is enough room for movement, and that the footing is secure.
- Be careful with your balance. Feet should be shoulder width apart, with one foot behind the object that is to be lifted and the other just beside it.
- Bend your knees (do not stoop). Keep your back straight (not necessarily vertical) and tuck your chin (it helps straightening your back).
- Grip the load with the palm of your hands and your fingers.
- Push UP with your legs.
- Keep arms and elbows close to your body while lifting.
- Carry the load close to your body. Do not twist your body while carrying the load. To change direction, shift your foot position and turn your whole body.
- To lower the object, again, bend your knees (do not stoop). To deposit the load on a bench or shelf, place it on the edge and push it into position. Make sure that your hands and feet are clear when placing the load.

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