

Endress+Hauser 
People for Process Automation

Endress Plus Hauser VU231C Bluetooth Display



Endress Plus Hauser VU231C Bluetooth Display Instruction Manual

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Endress Plus Hauser VU231C Bluetooth Display



Specifications

- Model: VU231C
- Compliance: Radio Equipment Directive RED 2014/53/EU, FCC Part 15, Industry Canada license-exempt RSS, Japanese Radio Law, IDMA Standards
- Minimum Separation Distance: 20cm

Product Usage Instructions

Installation

Ensure the device is installed according to the manufacturer's guidelines. The type plate of the product should be visible during installation.

Operating Conditions

Operate the device under the specified operating conditions to ensure protection and correct functioning. Any deviations may compromise protection and functionality.

Radio Approvals Compliance

Ensure compliance with relevant regulations in Europe, United States, Canada, Mexico, Japan, Taiwan, Thailand, Singapore, and Malaysia to avoid any legal issues.

FCC RF Exposure Requirements

To comply with FCC RF Exposure requirements, maintain a minimum separation distance of at least 20 cm when installing and operating the device in an uncontrolled environment.

FAQ

Q: How can I ensure proper compliance with radio approvals?

A: Follow the specific guidelines outlined for each region mentioned in the manual. Make sure not to modify the device without proper approval to maintain compliance.

Q: What should I do if the type plate of the product is not visible during installation?

A: Contact customer support for guidance on how to proceed with the installation to ensure compliance and correct functioning of the device.

About this document

Symbols



Tip

Indicates additional information.

Documentation

Designated use

Remote operation of devices via Bluetooth® wireless technology

Suitable for the following device versions

Device:

- Micropilot: FMR30B
- Prosonic: FMU30B

Incorrect use

The manufacturer is not liable for damage caused by improper or non-designated use.

Under different operating conditions than those described here, protection may be compromised and the correct functioning of the device cannot be guaranteed.

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Radio approvals

Europe

This device meets the requirements of the Radio Equipment Directive RED 2014/53/EU. The standards specified in the declaration of conformity were used for this purpose.

United States

- This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- [Any] changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The devices are compliant with the FCC Code of Federal Regulations, CFR 47, Part 1, Sections 15.205, 15.207, 15.209.
- The type plate of the VU231C is not visible from the outside when plugged onto a device, but is only visible during installation. Therefore, Contains FCC ID: LCGVU231C is printed on the type plate of the product to which the VU231C is connected.
- To comply with FCC RF Exposure requirements for an uncontrolled environment, this device must be installed and operated to assure a minimum separation distance of at least 20 cm.

Canada

Canada CNR-Gen Section 8.4

- This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- [Any] changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- To comply with ISED RF Exposure requirements for an uncontrolled environment, this device must be installed and operated to assure a minimum separation distance of at least 20 cm.
- The type plate of the VU231C is not visible from the outside when plugged onto a device, but is only visible during installation. Therefore, Contains IC: 2519A-VU231C is printed on the type plate of the product to which the VU231C is connected.

Japan

Japanese Radio Law and Japanese Telecommunications Business Law Compliance.

This device is granted pursuant to the Japanese Radio Law and the Japanese Telecommunications Business Law

. This device should not be modified (otherwise the granted designation number will become invalid).

Singapore

Complies with
IDMA Standards
DA108204

Malaysia



Indonesia

Cert. ID: xxxx/SDPPI/xxx

PLG ID: xxxx



Brazil



XXXXX-XX-XXXXX

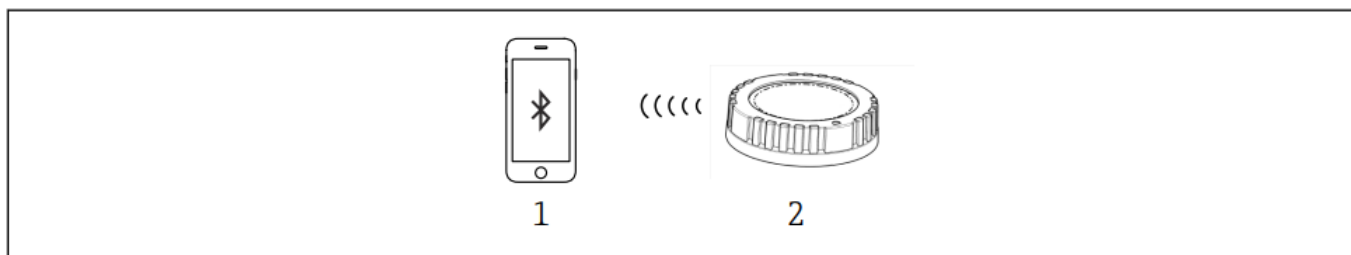
Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Other countries

Other national approvals are available on request.

Operation options

Access via Bluetooth® wireless technology



Remote operation via Bluetooth® wireless technology

1. Smartphone or tablet with SmartBlue (App)
2. Display with optional Bluetooth function

Preparation

The serial number of the device serves as the initial password when the connection is established for the first time. The serial number can be found on the nameplate.



Technical data

- Maximum free-field range 50 m (165 ft)

- Operation radius with intervisibility: 10 m (33 ft) around the device
- Supply voltage: 3.2 VDC with max. 3.4 VDC and min. 3.1 VDC
- Power consumption: max. 17 mW
- Current consumption: 5 mA
- Pollution degree: 2
- Temperature range: –40 to +85 °C (–40 to +185 °F)
- Relative humidity: operation up to 100 % in the measuring devices Do not open in a condensing environment!
- Suitable for wet environments, integrated in measuring devices

Commissioning

Requirements

Device requirements

Commissioning via SmartBlue is only possible if a VU231C Bluetooth® display is installed.

System requirements

SmartBlue is available as a download from the Google Play Store for Android devices and from the iTunes Store for iOS devices

- iOS devices: iPhone 5S or higher from iOS11; iPad 5th Generation or higher from iOS11; iPod Touch 6th Generation or higher from iOS11
- Devices with Android: from Android 6.0 and Bluetooth® 4.0

Initial password

- The serial number of the device (on the nameplate) serves as the initial password when the connection is established for the first time.
- If the main electronics module of the device is a spare part, the initial password is the ID number of the Bluetooth display.

The ID number is located on the rear of the display beside the Bluetooth logo.

Please note the following:

If the Bluetooth display is removed from one device and installed in another device.

- All the log-in data are only saved in the Bluetooth display and not in the device
- The password changed by the user is also saved in the Bluetooth display
- The Bluetooth and/or background lighting function can depend on the supply voltage to the device. For details on the supply voltage range, see the Operating Instructions for the entire device.

SmartBlue app


1. Scan the QR code or enter "SmartBlue" in the search field of the App Store.



2. Start SmartBlue.
3. Select device from livelist displayed.
4. Enter the login data:
User name: admin
Password: Serial number of the device or ID number of the Bluetooth display
5. Tap the icons for more information.
After logging in for the first time, change the password!

www.addresses.endress.com

Documents / Resources

	<p>Endress Plus Hauser VU231C Bluetooth Display [pdf] Instruction Manual VU231C, VU231C Bluetooth Display, Bluetooth Display, Display</p>
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References

- [EH Contact | Endress+Hauser](#)
- [User Manual](#)

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