

Depending on the approval of the transmitter, application of the Bluetooth module may be restricted. A device may only be retrofitted with a Bluetooth module if the option *NF* (Bluetooth) is listed in the associated Safety Instructions (XA) under *Optional specifications*.

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C E

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CE

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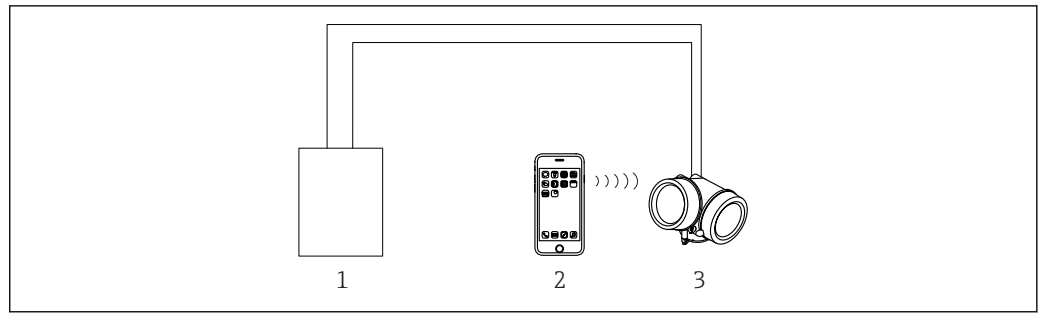
C E

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Europe	This device meets the requirements of the Telecommunications Directive RED 2014/53/EU: ■ EN 300 328 V2.1.1 ■ EN 301 489-1 V2.1.1 ■ EN 301 489-17 V3.1.1 ■ EN 62311: 2008
Canada and United States	English This device complies with Part 15 of the FCC Rules and with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: ■ This device may not cause harmful interference, and ■ This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications made to this equipment not expressly approved by Endress+Hauser SE+Co. KG may void the FCC authorization to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: ■ Reorient or relocate the receiving antenna. ■ Increase the separation between the equipment and receiver. ■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. ■ Consult the dealer or an experienced radio/TV technician for help. Radiofrequency radiation exposure information This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Français Le présent appareil est conforme aux CNR d'industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : ■ L'appareil ne doit pas produire de brouillage, et ■ L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. Les changements ou modifications apportées à cet appareil non expressément approuvée par Endress+Hauser SE+Co. KG peut annuler l'autorisation FCC d'utiliser cet appareil. Déclaration d'exposition aux radiations Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps. Ce transmetteur ne doit pas être placé au même endroit ou utilisé simultanément avec un autre transmetteur ou antenne.

6 V. 2, Rev. 2, 11-06-2018 Endress+Hauser

Operation via Bluetooth® wireless technology

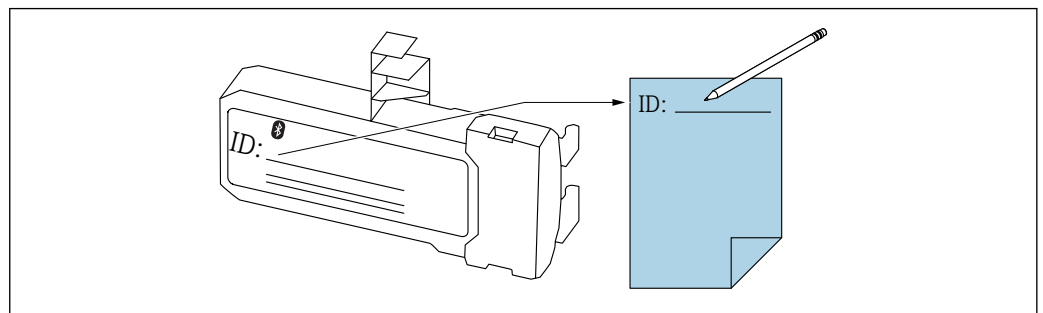


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1 Possibilities for remote operation via Bluetooth® wireless technology

- 1 Transmitter power supply unit
- 2 Smartphone / tablet with SmartBlue (app)
- 3 Transmitter with Bluetooth® wireless technology

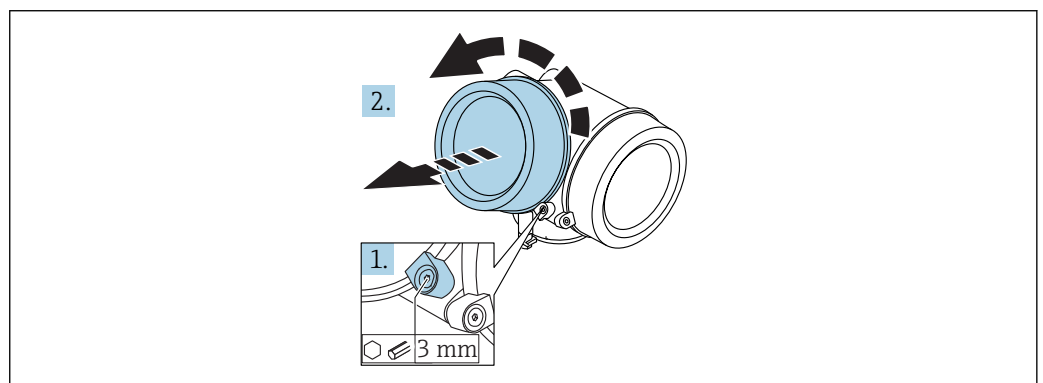
Preparing installation of the Bluetooth module



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Note down the ID of the Bluetooth module. The ID serves as the initial device password in SmartBlue.

Opening cover



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1. Loosen the screw of the securing clamp of the electronics compartment cover using an Allen key (3 mm) and turn the clamp 90° counterclockwise.
2. Unscrew cover and check lid gasket, replace if necessary.

1 →

2 →

3 →

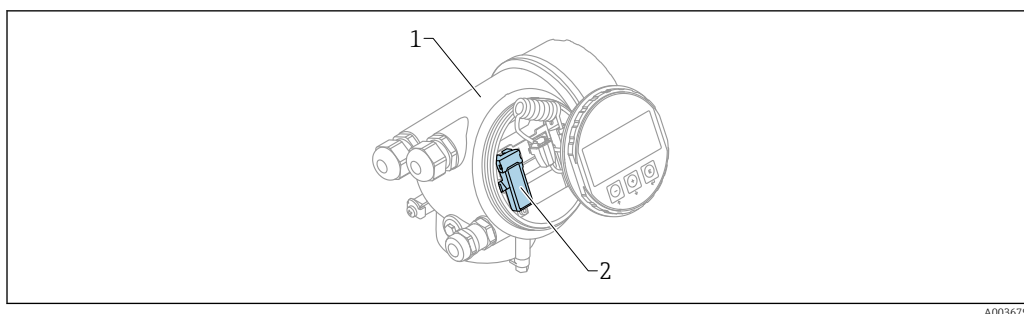
4 →

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 2 Device with Bluetooth module

1 Electronics housing of the device

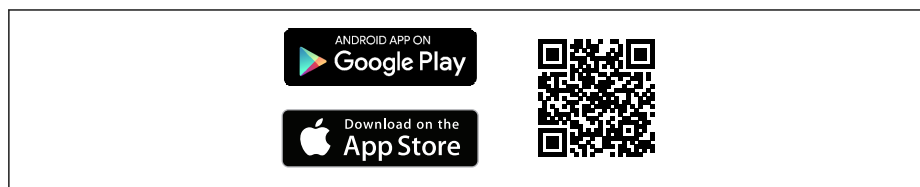
2 Nameplate of the Bluetooth module; the ID on this nameplate serves as initial password.

 All login data (including the password changed by the user) are not stored in the device but in the Bluetooth module. This must be taken into account when the module is removed from one device and inserted into a different device.

Commissioning

Download and install SmartBlue

1. To download the app, scan the QR code or enter "SmartBlue" in the search field



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 3 Download link

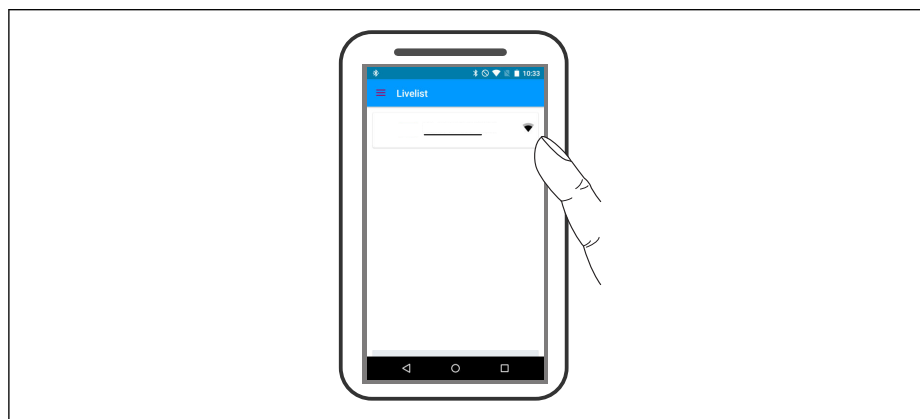
2. Start SmartBlue



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 4 SmartBlue pictogram

3. Select device from displayed livelist (available devices only)

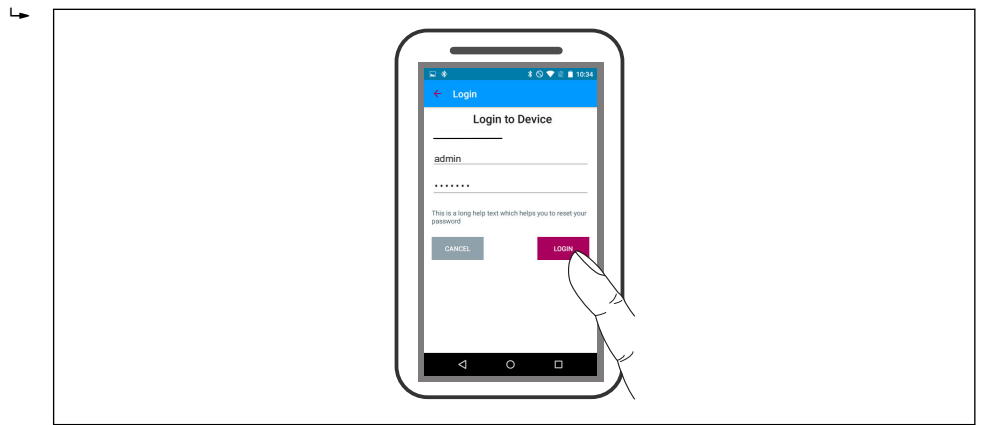


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 5 Livelist

 Only one point-to-point connection can be established between **one** sensor and **one** smartphone or tablet.

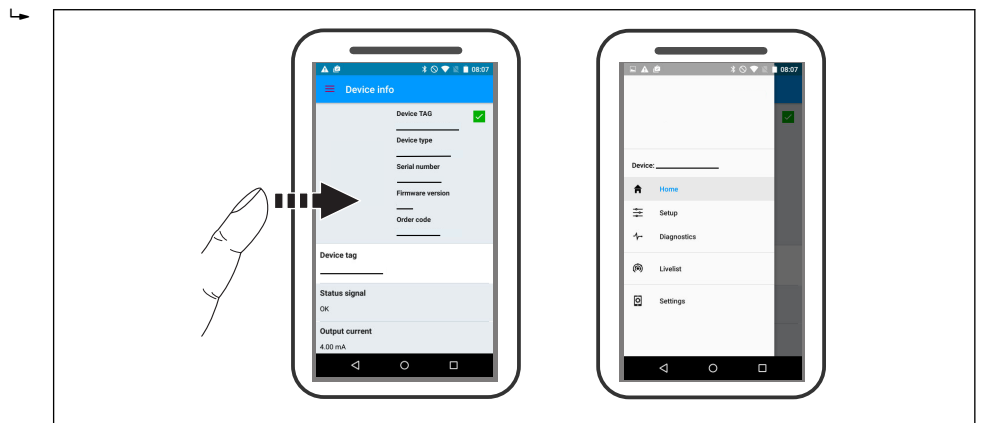
4. Perform login



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6 Login

5. Enter user name -> admin
6. Enter initial password -> ID of the Bluetooth module
7. Change the password after logging in for the first time
8. By wiping from the side, additional information (e.g. main menu) can be dragged into the image



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7 Main menu



Envelope curves can be displayed and recorded

Additionally to the envelope curve, the following values are displayed:

- D = Distance
- L = Level
- A = Absolute amplitude
- In the case of screenshots, the displayed section (zoom function) is saved
- In video sequences, always the whole area without zoom function is saved

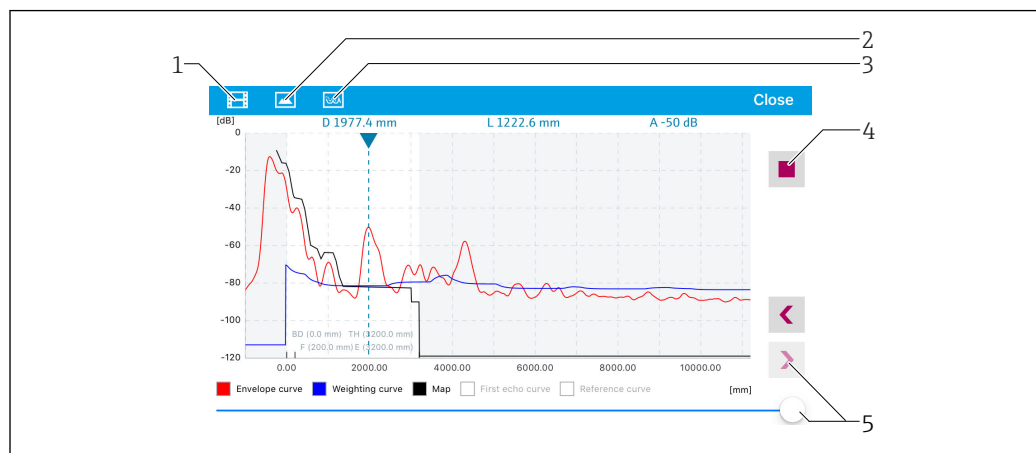
It is also possible to send envelope curves (video sequences) using the relevant smartphone or tablet functions.



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8 Envelope curve display (example) in SmartBlue; Android view

- 1 Record video
- 2 Create screenshot
- 3 Navigation to mapping menu
- 4 Start / stop video recording
- 5 Move time on time axis



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9 Envelope curve display (example) in SmartBlue; iOS view

- 1 Record video
- 2 Create screenshot
- 3 Navigation to mapping menu
- 4 Start / stop video recording
- 5 Move time on time axis

