

FieldPort SWA50

Intelligent Bluetooth® and/or WirelessHART adapter for all HART field devices



More information and current pricing:

www.ca.endress.com/SWA50

Benefits:

- Reliable transmission of the measured process values through the connected FieldPort SWA50 via encrypted Bluetooth® or WirelessHART communication
- Easy to retrofit all 2-wire or 4-wire HART field devices
- Easy connection of all HART field devices to the **Netilion Cloud**
- Loop-powered adapter, without affecting the process signal
- Easily accessible, wireless, diagnostic information of connected HART field device

Specs at a glance

- **Output** WirelessHART and/or Bluetooth® communication interface, Operating frequency: 2.4 GHz (ISM band), Transmission range under reference conditions: WirelessHART communication - up to 200 m (656 ft), Bluetooth communication - up to 40 m (131 ft)

Field of application: The FieldPort SWA50 converts the HART signal of the connected HART field device to a reliable and encrypted Bluetooth® or WirelessHART signal. The Endress+Hauser SmartBlue app or the Endress+Hauser Field Xpert is used to configure the FieldPort SWA50 and to visualize the measured values and status of the connected HART field device. HART field devices can be connected to the **Netilion Cloud** via the FieldPort SWA50 and a **FieldEdge** device.

Features and specifications

Wireless components

Measuring principle

WirelessHART

Wireless components

Function

Intelligent WirelessHART and/or Bluetooth® interface module for easy and fast connection to HART devices

Certification

Non-hazardous area, ATEX, IEC Ex

Input

One point-to-point with HART device

Output

WirelessHART and/or Bluetooth® communication interface,
Operating frequency: 2.4 GHz (ISM band),
Transmission range under reference conditions:
WirelessHART communication - up to 200 m (656 ft),
Bluetooth communication - up to 40 m (131 ft)

Auxiliary power supply / Loop power supply

Loop-powered 4 to 20 mA

Dimensions (wxhxd)

W x H x D: 146 mm x 42 mm x 42 mm
(dimensions in mm 25.4 = 1 inch)

Software

Internal software for reading data from HART field devices and communicating over WirelessHART and/or Bluetooth®

Operation

Integral via DIP-switches,
Cell Phone configuration via SmartBlue App and Bluetooth®,
Field Xpert configuration via Bluetooth® or HART-modem,
PC configuration via FieldCare and HART-modem,
PC configuration via FieldCare and WirelessHART Gateway

Wireless components

Operating Voltage

24 V DC (min. 4 V DC, max. 30 V DC): min. 3.6 mA loop current required for start-up

Voltage drop if internal HART communication resistor is deactivated:

3.2 V in operation, < 3.8 V at start-up

Voltage drop if internal HART communication resistor is activated (270 Ohm):

< 4.2 V at 3.6 mA loop current, < 9.3 V at 22.5 mA loop current

More information www.ca.endress.com/SWA50