

# WirelessHART Adapter SWA70

## Smart WirelessHART interface module with power supply for field devices



More information and current pricing:

[www.us.endress.com/SWA70](http://www.us.endress.com/SWA70)

### Benefits:

- HART devices are quickly upgraded to WirelessHART technology
- Fast integration of 4 to 20 mA field devices into a WirelessHART network
- One 4 to 20 mA field device and up to four HART field devices in multidrop mode can be connected to a WirelessHART Adapter
- Burst mode and event notification supported
- Remote and difficult-to-access HART devices are connected to the control room without expensive cabling
- Easy planning, quick installation and integration

### Specs at a glance

- **Output** WirelessHART communication interface Transmission rate: Nominal 250 kBits/s Operating frequency: 2.4 GHz (ISM band) Transmission range under reference conditions: Outdoor 250 m, indoor 50 m
- **Display** Integral via 3 LEDs

**Field of application:** The WirelessHART Adapter SWA70 is an interface module for the wireless transmission of 4 to 20 mA/HART signals from connected field devices to a WirelessHART Fieldgate. It is powered by either a battery pack or power supply units. The WirelessHART Adapter can be used in hazardous and non-hazardous area for applications.

### Features and specifications

Wireless components

**Measuring principle**

WirelessHART

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## Wireless components

### Function

Intelligent WirelessHART interface module for connection to 4...20 mA/HART devices

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### Certification

Non-hazardous area  
ATEX, CSA, IEC Ex, JPN Ex

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### Input

One point-to-point with a HART device, or  
One point-to-point connection with a 4...20 mA device, or  
Up to four HART field devices connected in multidrop mode if a wide range power unit is used.

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### Output

WirelessHART communication interface  
Transmission rate: Nominal 250 kBits/s  
Operating frequency: 2.4 GHz (ISM band)  
Transmission range under reference conditions:  
Outdoor 250 m, indoor 50 m

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### Auxiliary power supply / Loop power supply

Special long live Lithium Thionylchloride battery pack  
24-230V AC/DC external power  
DC power unit

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### Dimensions (wxhxd)

W x H x D: 111.5 mm x 189.9 mm x 92.8 mm  
Dimensions in mm 25.4 mm = 1 inch

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### Software

Internal software for controlling, powering, and reading from 4...20 mA/HART field devices

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### Operation

Integral via Pushbutton, PC configuration via DTM and FieldCare or DD

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### Display

Integral via 3 LEDs

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## Wireless components

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### Operating Voltage

Special long live Lithium Thionylchloride battery pack

For versions with electronically regulated power supply:

Wide-range power supply: 24 V...230 V AC/DC  $\pm$  10%, 50/60 Hz

DC power unit: 8 V...50 V DC  $\pm$  10%

In the event of an external power supply failure, wireless communication is maintained for at least one hour by means of an internal supply.

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