WirelessHART Adapter SWA70

Smart WirelessHART interface module with power supply for field devices

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

Wireless components

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

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

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.

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

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

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

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

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

Display
Integral via 3 LEDs

Wireless components

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 ± 10%, 50/60 Hz
DC power unit: 8 V...50 V DC ± 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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