

Overview



SITRANS AW050 is a Bluetooth adapter for compatible SITRANS field devices. In combination with the SITRANS mobile IQ, SITRANS AW050 allows you to easily parametrize and maintain compatible SITRANS field devices via a smartphone or tablet.

Benefits

- Connects to the existing service or display port of the field device
- Enables remote access to field devices for:
 - Commissioning and parameterization
 - Displaying device status and measurement values
 - Identifying errors and troubleshooting in case of failures
 - Displaying graphs and trend views of measurements and diagnosis information
 - Direct links to manuals, certificates, FAQs, and much more

Application

SITRANS AW050 supports commissioning, parameterization, and maintenance of compatible field devices. AW050 will establish a secure connection to your field device. In combination with SITRANS mobile IQ, several functions are supported:

- **Device list**
All supported devices in the environment are displayed.
- **Device cockpit**
Overview of the connected device, device status, and current measured values.
- **Setup**
Commissioning and parameterization of the device, including graphical support.
- **Charts**
History of selected measurement and diagnostic values.
- **Save device data**
Save current values, settings, and diagnostic data.

Design

SITRANS AW050 provides a Bluetooth interface for communication with SITRANS mobile IQ.

Integration

SITRANS AW050 is mounted in the existing cable gland and connected to the service or display port of the device.

SITRANS AW050 is compatible with the following devices:

- SITRANS Probe LU240 ultrasonic level transmitter
- SITRANS LR500 series radar level transmitters
- SIPART PS100 valve positioner
- SIPART PS2 valve positioner
- SITRANS FMT020 magnetic flowmeter transmitter



SITRANS AW050, mounted on SITRANS Probe LU240



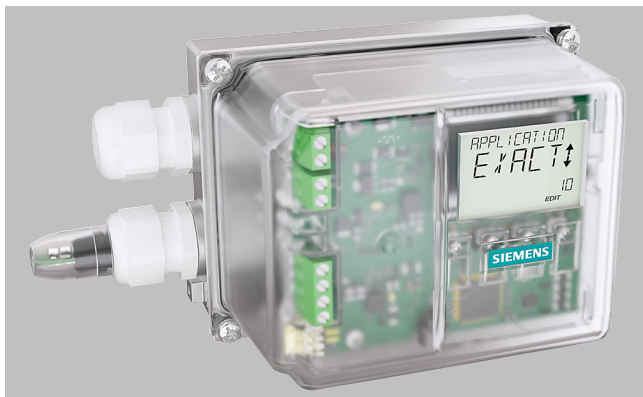
SITRANS AW050, mounted on SITRANS LR530

Digitalization and Communication

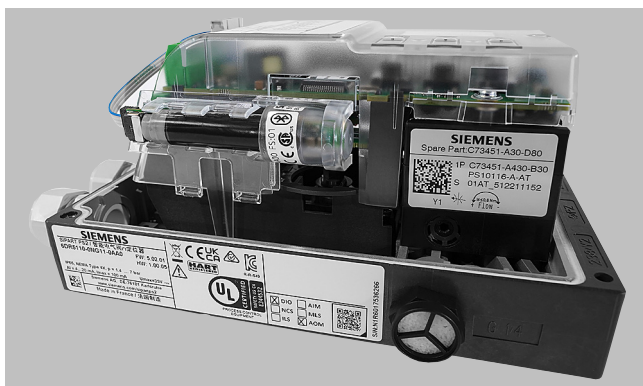
Digitalization

Connectivity / SITRANS AW050

Integration (continued)



SITRANS AW050, mounted on SIPART PS100



SITRANS AW050, mounted on SIPART PS2



SITRANS AW050 is internally mounted on SITRANS FMT020

Selection and ordering data

Selection and ordering data	Article No.
SITRANS AW050 Bluetooth adapter, used in combination with SITRANS mobile IQ for easy parametrization and maintenance of compatible SIPART and SITRANS field devices.	
SITRANS AW050 including mounting kit for SITRANS Probe LU240	A5E50514198
SITRANS AW050 including mounting kit for SITRANS LR500 M20	A5E51857118
SITRANS AW050 including mounting kit for SITRANS LR500 1/2" NPT	A5E52095588
SITRANS AW050 including mounting kit for SIPART PS100	6DR4004-1BT
SITRANS AW050 including mounting kit for SIPART PS2	6DR4004-2BT
SITRANS AW050 including mounting kit for SITRANS FMT020	7ME694018T10

Accessories	Article No.
Operating instructions All literature is available to download for free, in a range of languages, at http://www.siemens.com/processinstrumentation/documentation	

SITRANS mobile IQ

Application to monitor and parameterize compatible field devices via Bluetooth. SITRANS mobile IQ is available for Android, iOS, and Windows. For more information see: <https://support.industry.siemens.com/cs/ww/en/view/109775578>.

Download via Google Play Store or Apple App Store

Available on the App Store



<https://apps.apple.com/us/app/sitrans-mobile-iq/id1496146361>

Google play

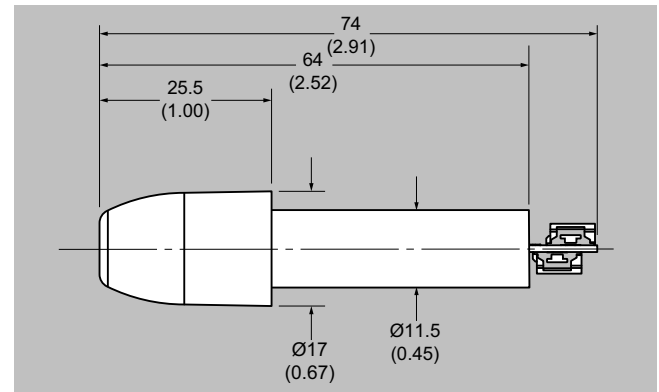


https://play.google.com/store/apps/details?id=com.siemens.sitransmobileiq&hl=en_US

Technical specifications

SITRANS AW050	
Software requirements	SITRANS mobile IQ
Operating conditions and structural design	
Ambient conditions	For use indoors and outdoors
Ambient temperature	For ambient temperature ranges, please refer to the operating instructions for the connected SITRANS field device
• Permissible ambient temperature for operation (SITRANS AW050 only)	-40 ... +80 °C (-40 ... +176 °F)
• Relative humidity	0 ... 100 %
Degree of pollution	2
Overvoltage category	II
Input voltage range	2.2 ... 3.4 V DC
Maximum current consumption	2.3 mA
Weight	13 g (0.46 oz)
Degree of protection	• Type 4X, Type 6 according to UL 50E • IP66, IP68 in accordance with IEC 60529
EMC	EN 61326
Material	Polycarbonate
Communication, interface	Bluetooth BLE 4.2
Range	Class 2, approx. 10 m (32.8 ft)
Certificates and approvals	Note: Check the device nameplate for the specific list of certificates and approvals. For a comprehensive list of certificates and approvals, visit the Siemens Industry Online Support: : https://siportal.siemens.com/su/bl3VT

Dimensional drawings



SITRANS AW050, dimensions in mm (inch)

Notes:

- The instruction manual for the SITRANS AW050, including mounting description is included in the operating instructions of the compatible SITRANS or SIPART field device.
- Compatible with:¹⁾
 - SITRANS Probe LU240 with measurement range 6 m (19.69 ft) and 12 m (39.37 ft).
 - SITRANS LR500 series
 - SIPART PS100 with FW 1.03.00 or higher.
 - SIPART PS2 with Firmware 5.05 or higher.
 - SITRANS FMT020 with Firmware 1.02.04 or higher.

¹⁾ Non-hazardous only.