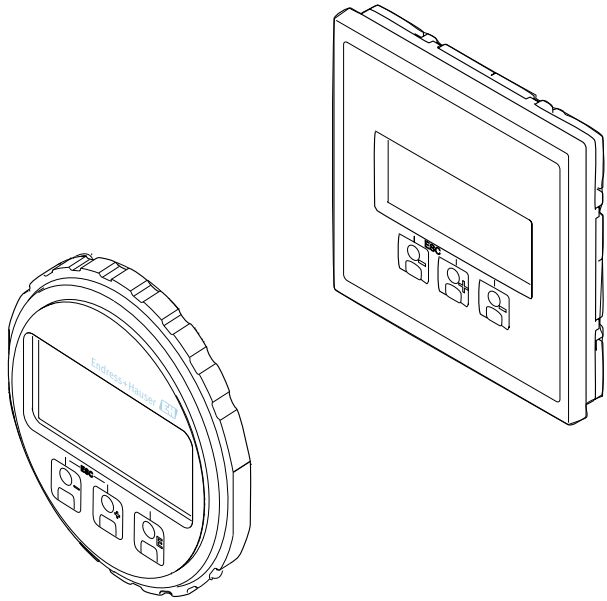


Special Documentation

Display modules A309/A310

Display with WLAN interface



1 About this document

1.1 Document function



This document is part of the Operating Instructions and serves as a reference when working with display modules with a WLAN interface.

Supported transmitters


- Proline 300
- Proline 400
- Proline 500

1.2 Symbols

1.2.1 Symbols for certain types of information

Symbol	Meaning
	Tip Indicates additional information.
	Notice or individual step to be observed

1.3 Supplemental documentation

 For an overview of the scope of the associated Technical Documentation, see the Device Viewer:

www.endress.com/deviceviewer


- ▶ Enter the serial number on the nameplate of the device to which the display module with the WLAN interface is connected.

2 Declaration of Conformity

The display modules A309/A310 comply with all the applicable EC directives.


3 Product description

The display with a WLAN interface allows wireless access to the measuring device via a Web browser.

 The display with a WLAN interface may only be connected to measuring devices intended for this purpose.


 Connecting an external antenna: only the external antenna provided by Endress+Hauser may be used.

4 Technical data

Function	WLAN: IEEE 802.11 b/g (2.4 GHz) <ul style="list-style-type: none"> ▪ Access Point with DHCP server (factory setting) ▪ Network
Encryption	WPA2-PSK AES-128 (in accordance with IEEE 802.11i)
Configurable WLAN channels	1 to 11
Degree of protection	IP67
Available antennas	<ul style="list-style-type: none"> ▪ Internal antenna ▪ External antenna (optional) In the event of poor transmission/reception conditions at the place of installation. Available as an accessory .  Only 1 antenna is active at any one time!
Range	<ul style="list-style-type: none"> ▪ Internal antenna: typically 10 m (32 ft) ▪ External antenna: typically 50 m (164 ft)
Materials (external antenna)	<ul style="list-style-type: none"> ▪ Antenna: ASA plastic (acrylonitrile styrene acrylate) and nickel-plated brass ▪ Adapter: Stainless steel and nickel-plated brass ▪ Cable: Polyethylene ▪ Plug: Nickel-plated brass ▪ Angle bracket: Stainless steel

5 Radio approvals




5.1 Brazil

 <small>A0039074</small> 03447-17-07311	Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.
--	---

5.2 Europe

This device meets the requirements of the Telecommunications Directive RED 2014/53/EU.

5.3 Indonesia

A309	A310	
<p data-bbox="76 300 239 347">75792/SDPPI/2021 4962</p> 	<p data-bbox="300 300 463 347">75884/SDPPI/2021 4962</p> 	 <p data-bbox="507 453 713 595">Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya.</p>

5.4 Japan

Japanese Radio Law and Japanese Telecommunications Business Law Compliance.

This device is granted pursuant to the Japanese Radio Law (電波法) and the Japanese Telecommunications Business Law (電気通信事業法).

This device should not be modified (otherwise the granted designation number will become invalid).

5.5 Canada and United States

5.5.1 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 Flowtec AG 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.

5.5.2 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 apportés à cet appareil non expressément approuvés par Endress+Hauser Flowtec AG peuvent 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.

5.6 Mexico

La operación de este equipo está sujeta dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

  <p style="text-align: right; font-size: small;">A0034100</p>	<p>Marca: Endress+Hauser Modelo: A309 IFT No.: RCPENA321-4291 Modelo: A310 IFT No.: RCPENA321-4291-A1</p>
---	---

5.7 Republic of Korea

	<p>제품명(모델명): Display module (A309 / A310) 인증번호 : R-C-EH7-A309 제조자/제조국가: Endress+Hauser Flowtec AG / 스위스</p>
--	---

5.8 Singapore

<p>Complies with IMDA Standards DA108204</p>
--

5.9 Thailand



เครื่องวิทยุคมนาคมนี้ ได้รับยกเว้น ไม่ต้องได้รับใบอนุญาตให้มี ใช้ซึ่งเครื่องวิทยุคมนาคม หรือตั้งสถานีวิทยุคมนาคมตามประกาศ กสทช. เรื่อง เครื่องวิทยุคมนาคม และสถานีวิทยุคมนาคมที่ได้รับยกเว้นไม่ต้องได้รับใบอนุญาตวิทยุคมนาคมตามพระราชบัญญัติวิทยุคมนาคม พ.ศ. 2498




nab. | โทรคมนาคม

กำกับดูแลเพื่อประชาชน

Call Center 1200 (InSWR)

A0048466

5.10 United Arab Emirates

	<p>TRA - United Arab Emirates</p> <p>Dealer ID: DA37063/14 TA RTTE: ER54204/17 Model: A309 Type: WLAN</p>	
--	---	--

A0048470

	<p>TRA - United Arab Emirates</p> <p>Dealer ID: DA37063/14 TA RTTE: ER54206/17 Model: A310 Type: WLAN</p>	
---	---	---

A0048472

5.11 Other countries

Other national approvals are available on request.

6 Availability

6.1 Africa

Réunion	South Africa	-
---------	--------------	---

6.2 Asia

Armenia	China	Cyprus
Georgia	Hongkong	India
Indonesia	Japan	Kazakhstan
Kyrgyzstan	Malaysia	Republic of Korea
Russia	Singapore	Thailand
Turkey	United Arab Emirates	-

6.3 Australia and Oceania

American Samoa	Australia	Micronesia
New Zealand	Vanuatu	-

6.4 Europe

Andorra	Austria	Belarus
Belgium	Bosnia and Herzegovina	Bulgaria
Croatia	Czechia	Denmark
Estonia	Finland	France
Germany	Greece	Guernsey
Hungary	Iceland	Ireland
Isle of Man	Italy	Jersey
Kosovo	Latvia	Liechtenstein
Lithuania	Luxembourg	Malta
Monaco	Montenegro	Netherlands

North Macedonia	Norway	Poland
Portugal	Romania	Russia
San Marino	Slovakia	Slovenia
Spain	Sweden	Switzerland
Turkey	United Kingdom	Vatican City

6.5 North America

Canada	Guadeloupe	Martinique
Mexico	Saint-Barthélemy	Saint Martin
Sint Maarten	United States	-

6.6 South America

Argentina	Brazil	Chile
French Guiana	-	-



71654259

www.addresses.endress.com
