

**EU DECLARATION OF CONFORMITY**

We **Yokogawa Electric Corporation**  
**2-9-32 Nakacho, Musashino-shi, Tokyo, 180-8750 Japan**

declare under our sole responsibility that the Products identified as:

Model code      Model name  
**YFGW510      Field Wireless Access Point**  
specified with the suffix code of 'Communication interface': **1 or 2**

further specified with model suffix and option codes:

**as listed in General Specification: GS 01W02E01-01EN (Ed.12)**  
(See Appendix 2 for additional information.)

is in compliance with the EU law and legislation providing for the CE-marking, as listed in Appendix 1.

Information relevant to the conformity and identification of these Products is provided in Appendix 2, Appendix 3 and Appendix 4.

Subject product is:

- Produced according to appropriate quality control procedure.
- Provided with the CE-marking as from **2012**.

Signature:

(Manufacturer)

Tokyo, 18 January 2019




Hideyuki Toda  
General Manager  
Wireless Development Dept.  
New Field Development Center  
IA Products and Service Business HQ  
Yokogawa Electric Corporation

(Authorized Representative in the EEA)

Amersfoort,

*30 January 2019*



Herman van den Berg  
President  
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YEF-HQ internal reference:  
EU DoC: YFGW510

# Appendix 1



The products are built in compliance with requirements of the following EU Directives and Standards:

Model – Suffix / Option code structure: **YFGW510** – b  $\frac{1}{2}$  d e f – g h i j k l m n o / x

(Distinctive combinations of suffix and option codes are indicated per table. Unless otherwise stated, it means that the all defined code is relevant.)

EU Directive	Standards
2014/53/EU (RED)	<p><b>HEALTH &amp; SAFETY [Article 3, 1. (a)]</b></p> <p><b>EN 61010-1:2010</b> Safety requirements for electrical equipment for measurement, control, and laboratory use, Part1: General requirements</p> <p><b>EN 62311:2008</b> *1 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0Hz – 300GHz)</p> <p><b>EMC [Article 3, 1. (b)]</b></p> <p><b>EN 301 489-1 V2.1.1</b> ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU.</p> <p><b>EN 301 489-17 V3.1.1</b> ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.</p> <p><b>EN 55011:2009+A1:2010 Class A Group1</b> <b>EN 55011:2016+A1:2017 Class A Group1</b> Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement</p> <p><b>EN 61000-6-2:2005</b> Electromagnetic compatibility – Generic standards – Immunity for industrial environments</p> <p><b>EN 61326-1:2013 Class A Table 2</b> Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements</p> <p><b>SPECTRUM (Article 3, 2.)</b></p> <p><b>EN 300 328 V.2.1.1</b> *1 Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.</p>
2011/65/EU (RoHS)	<p><b>EN 50581:2012</b> Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.</p>

\*1: These standards are applied to the radio modem only.

EU Directive	Standards	/Option
2014/34/EU (ATEX)	<b>EN 60079-0:2012+A11:2013</b> Explosive atmospheres -- Part 0: Equipment - General requirements <b>EN 60079-11:2012</b> Explosive atmospheres -- Part 11: Equipment protection by intrinsic safety "i" <b>EN 60079-15:2010</b> Explosive atmospheres -- Part 15: Equipment protection by type of protection "n"	x = <b>KN27</b>
	The equipment or protective system includes the following specific marking of explosion protection:  <b>II 3 G Ex nA[ic] IIC T4 Gc</b>	
	<b>EN 60079-0:2012+A11:2013</b> Explosive atmospheres -- Part 0: Equipment - General requirements <b>EN 60079-1:2014</b> Explosive atmospheres -- Part 1: Equipment protection by flameproof enclosures "d" <b>EN 60079-11:2012</b> Explosive atmospheres -- Part 11: Equipment protection by intrinsic safety "i"	x = <b>KF27</b> .
	The equipment or protective system includes the following specific marking of explosion protection:  <b>II 2 G Ex d[ib] IIC T4 Gb</b>  The Number of the EU Type-Examination Certificate: <b>DEKRA 15ATEX0042 X</b> EU Type Examination Certificate and Quality Assurance Notification is issued by: The Name of the Notified Body: <b>DEKRA Certification B.V.</b> The Identification Number of the Notified Body: <b>0344</b> The Address of the Notified Body: <b>Meander 1051 6825 MJ Arnhem, The Netherlands</b> The Number of Quality Assurance Notification: <b>DEKRA 11ATEXQ0127</b>	

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## Appendix 2

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If the Product model code contains the code "Z", it means that the Product is produced with a customer specific modification. Any such Product - if produced after the date of signing this document by the Manufacturer - is also in scope of this EU-Declaration of Conformity. The code "Z"- specific application notes and serial numbers of products subject to this modification are listed in a dedicated document, of which original is a part of the Technical Documentation. A copy of that document is accompanying each product at delivery.

## Appendix 3

The accessories in the list below have CE-marking significant compliance relevance; The full list of accessories for this product and references to documents containing instruction for safe use can be found in **IM 01W02E01-11EN**.

**Indications:** 'C' = The accessory conforms to the Directive as a part of the product.  
 'R' = The accessory is relevant to the conformity of the product as a part of the product.  
 'NR' = The accessory is not relevant to the conformity of the product.  
 'NS' = The accessory does not support the Directive.

Model No.	Model Name	Description	Relevant EU Directives		
			RE	RoHS	ATEX *1
F9915KU	Remote antenna cable	3m with mounting bracket	C	C	C *2
F9915KV		13m (3m+10m) with arrestor and mounting bracket	C	C	C *2
F9915KW	Antenna	2dBi Standard Antenna (2.4GHz)	C	C	C *2
F9915KY		6dBi High gain antenna (2.4GHz)	C	C	C *2
F9195VG		9dBi High gain antenna (2.4GHz)	C	C	C *2
F9195VA		2dBi Standard Antenna (2.4GHz, 5GHz)	C	C	C *2
IM 01W02E01-11EN	User's Manual	User's Manual	R	R	R

\*1: Refer to Appendix 1 for distinctive combinations of suffix and option codes.

\*2: Listed Accessories are according to EN 60079-11 'Simple Apparatus' and excluded in DEKRA 15ATEX0042 X, but - in case connected to the YFGW510 - in scope of this EU Declaration of Conformity covering the total configuration for all intended applications.

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## Appendix 4

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### External View of Product (YFGW510)



100BASE-TX/FX communication interface (Suffix\*1: c = 1, 2)  
\*1: See Appendix 1 for the position of suffix code.

Image of Nameplate  
(Typical example; details may differ)

Example of 100BASE-TX communication interface (Suffix\*1: c = 1)

\*1: See Appendix 1 for the position of suffix code.

● Non Explosion protection type

<b>FIELD WIRELESS ACCESS POINT</b>			<b>CE</b>
MODEL	YFGW 510	EUI64	
SUFFIX	-A114A-S10J1NNAA	MAC	00:00:64:XX:XX:XX
		MAC WLAN1	
		MAC WLAN2	
STYLE	S1		
SUPPLY	24 VDC ≡ 3.5W max.		
NO.	123456789 123		2017.05

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Yokogawa Electric Corporation

● Explosion protection type

**With /KN27**

<b>FIELD WIRELESS ACCESS POINT</b>			<b>CE</b>
MODEL	YFGW 510	EUI64	
SUFFIX	-A114A-S10J1NNAA	MAC	00:00:64:XX:XX:XX
/KN27		MAC WLAN1	
		MAC WLAN2	
STYLE	S1		
SUPPLY	24 VDC ≡ 3.5W max.		
NO.	123456789 123		2017.05

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GW5 KN27 **CE** **Ex** **II 3 G Ex nA [ic] IIC T4 Gc**  
Tamb:-30 to 65°C, ENCLOSURE:IP66

**WARNING** ⚠  
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT  
POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

**With /KF27**

<b>FIELD WIRELESS ACCESS POINT</b>			<b>CE</b>
MODEL	YFGW 510	EUI64	
SUFFIX	-A114A-S10J1NNAA	MAC	00:00:64:XX:XX:XX
/KN27		MAC WLAN1	
		MAC WLAN2	
STYLE	S1		
SUPPLY	24 VDC ≡ 3.5W max.		
NO.	123456789 123		2017.05

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GW5 KF27 **CE** **0344** **Ex** **II 2 G Ex d [ib] IIC T4 Gb**  
No. DEKRA 15ATEX0042 X  
-40 ≤ Ta ≤ 65°C Um: 250V  
AFTER DE-ENERGIZING, DELAY 1 MINUTE BEFORE OPENING  
POTENTIAL ELECTROSTATIC CHARGING HAZARD  
- SEE INSTRUCTIONS

**WARNING** ⚠

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