YOKOGAWA ◆ Doc. No. AEN561-C02

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
YFGW520	**Field Wireless Access Point**

further specified with model suffix and option codes:

as listed in General Specification: GS 01W02E02-01 (Ed.3)
(See Appendix 2 for Additional Information.)

are 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 to Appendix 4.

Subject products are:
- Produced according to appropriate quality control procedure.
- Provided with the CE-marking as from **2018**.

Signature:

(Manufacturer)

Tokyo, 6 June 2019

Yoshitake Nishiuchi
General Manager
CX Development Department
Information Technology Center
IA Products and Service Business HQ
Yokogawa Electric Corporation

(Authorized Representative in the EEA)

Amersfoort, 25 June 2019

Herman van den Berg
President
Yokogawa Europe B.V.
Euroweg 2, 3825 HD Amersfoort,
P.O.Box 163, 3800 AD Amersfoort,
The Netherlands

YEF-HQ internal reference:
EU DoC: **YFGW520**

Appendix 1

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

Model – Suffix / Option code structure: **YFGW520 –** b c 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 Directives and Standards	
EU Directives	Standards
2014/53/EU (RED)	HEALTH & SAFETY [Article 3 1 (a)] **EN 61010-1:2010** Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements **EN 62479:2010** Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) **EN 60825-1:2014 *1** Safety of laser products – Part 1: Equipment classification and requirements
	EMC [Article 3 1 (b)] **EN 301 489-1 V2.1.1** Electromagnetic Compatibility (EMC) standard for radio equipment and service; Part 1: Common technical requirements; Harmonized Standard covering the essential requirement of article 3.1 (b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU **EN 301 489-17 V3.1.1** ElectroMagnetic Compatibility (EMC) standard for radio equipment and service; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonized Standard covering the essential requirement of article 3.1 (b) of Directive 2014/53/EU. **EN 61326-1:2013** Electrical equipment for measurement, control and laboratory use − EMC requirements- Part 1: General requirements **EN 55011:2009+A1:2010 Class A Group1** **EN 55011:2016+A1:2017 Class A Group1** Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement **EN 61000-6-2:2005** Electromagnetic compatibility – Generic standards – Immunity for industrial environments.
	SPECTRUM (Article 3 2) **EN 300 328 V2.1.1** Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized Standard covering the essential requirement of article 3.2 of Directive 2014/53/EU.
2011/65/EU (RoHS)	**EN 50581: 2012** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

***1**: *This standard is only applied to the product whose suffix of Communication interface is 6.*

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

Appendix 2

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 dedicated document, of which original is a part of 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, as indicated per EU-Directive; their application and use – as described in **IM 01W02E02-11** – is supported by this EU Declaration of Conformity. The full list of accessories for this product can be found in **IM 01W02E02-11**.

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/Parts No.	Model/Parts Name	Relevant EU Directives		
		RED	RoHS	ATEX *1
F9915KU	3 m Remote antenna cable with mounting bracket.	C	C	C *2
F9915KV	13 m (3 m+ 10 m) Remote antenna cable with surge protective device and mounting bracket.	C	C	C *2
F9915KW	2 dBi Standard Antenna (2.4 GHz)	C	C	C *2
F9915KY	6 dBi High gain Antenna (2.4 GHz)	C	C	C *2
F9195VG	9 dBi High gain Antenna (2.4 GHz)	C	C	C *2
IM 01W02E02-11	User's Manual	R	R	R

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

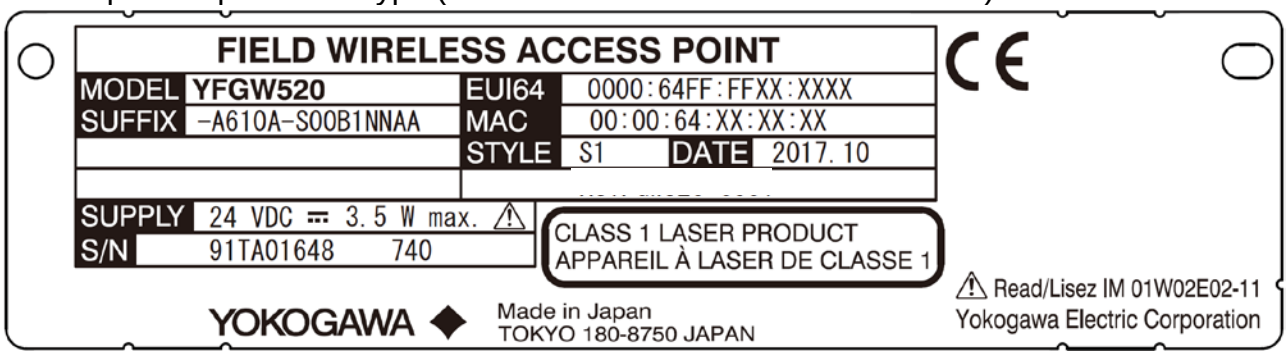
2:** *Listed Accessories are according to EN 60079-11 'Simple Apparatus' and excluded in the EU-Type Examination Certificate:* ***DEKRA 15ATEX0042 X*, but - in case connected to the YFGW520 - in scope of this EU Declaration of Conformity covering the total configuration for all intended applications.*

Appendix 4

External View of YFGW520

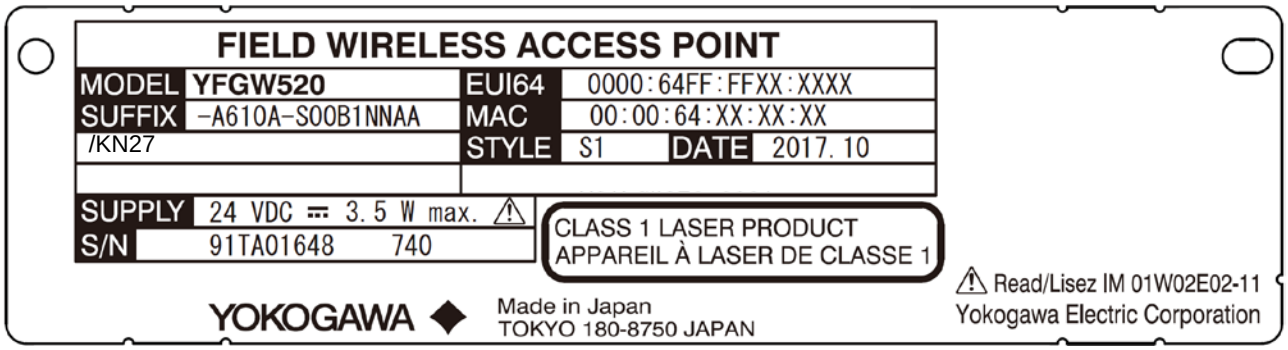
Image of Nameplate
(Typical example; details may differ)

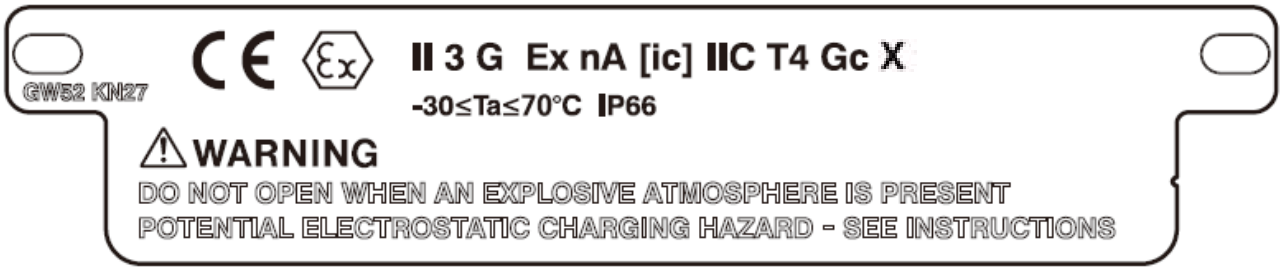
Non Explosion protection type (Suffix of Communication interface is 6)



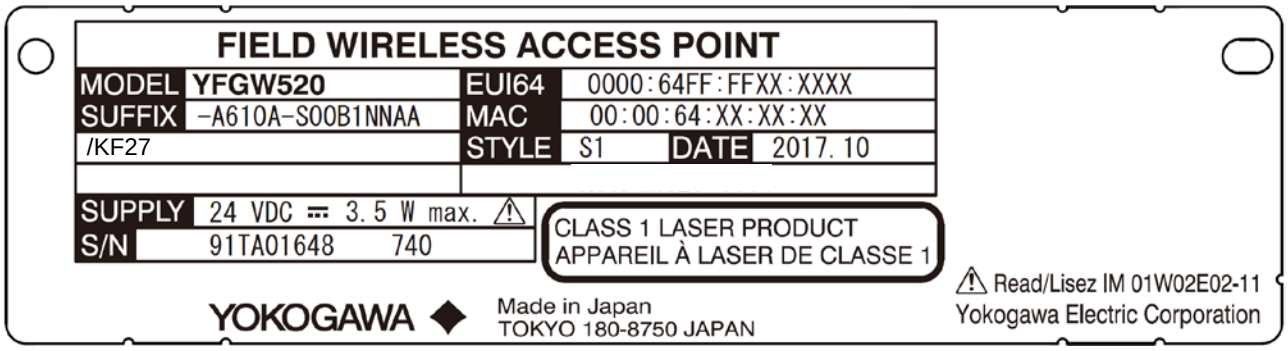
Explosion protection type (Suffix of Communication interface is 6)

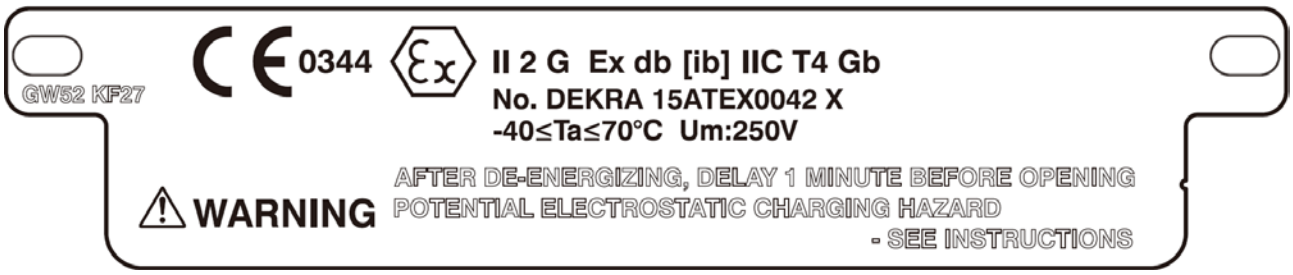
With option code: KN27





With option code: KF27





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