

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
YTMX580	Multi-Input Temperature Transmitter

further specified with model suffix and option codes:

As listed in General Specification: GS 04R01B01-01EN (Ed.9)
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, Appendix 3 and Appendix 4.

Subject products are:

- Produced according to appropriate quality control procedure.
- Provided with the CE-marking as from 2011.

Signature:

(Manufacturer)

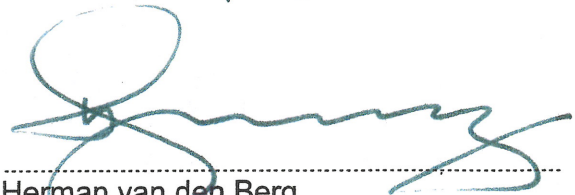
Tokyo, 6 June, 2017



Yasuhiro Yoshino
General Manager
Network Solutions Dept.
Product Business Center
IA Product and Service Business HQ
Yokogawa Electric Corporation

(Authorized Representative in the EEA)

Amersfoort, 9 June 2017



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: YTMX580


Appendix 1

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

Model – Suffix / Option code structure: **YTMX580** – b c d e f – g h – i j / x
(Distinctive combinations of suffix and option codes as indicated per table. Unless otherwise stated, it means that all defined code is relevant.)

EU Directives	Standards
2014/53/EU (RE)	<p>HEALTH & SAFETY (Article 3, 1. (a))</p> <p>EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements</p> <p>EN 61010-2-030:2010 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-030: Particular requirements for testing and measuring and test</p> <p>EN 62311: 2008 *1 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)</p> <p>EMC (Article 3, 1. (b))</p> <p>EN 301 489-1 V.2.1.1 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>EN 301 489-17 V.3.1.1 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>EN 61326-1:2013 Class A Table 2 Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements</p> <p>EN 61326-2-3:2013 Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning</p> <p>SPECTRUM (Article 3, 2.)</p> <p>EN 300 328 V.2.1.1 *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>EN 50581:2012 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 Directives	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" The marking of the equipment or protective system:  II 1 G Ex ia IIC T4 Ga 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 the EC Type-Examination Certificate: DEKRA 12ATEX0068 X	KS27

Appendix 2

The following code is added to the model codes of the YTMX580 defined in the **GS 04R01B01-01EN** as the option to specify the customized specification of the YTMX580. The product with this option code is manufactured on the request of particular customers. Although this customized specification is to add the minor modification to the specification of YTMX580 defined in the **GS 04R01B01-01EN**, this modification does not affect to the CE-marking compliance of the YTMX580. The additional document for safe use is prepared and complements the standard manuals. This document is delivered with the product specified with relevant option code.

Option code	Description	Additional Document No.
/S2	Change of the material of the enclosure	YTMX-S2E

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 04R01B01-01EN** – is supported by this EU Declaration of Conformity. The full list of accessories for this product can be found in IM 04R01B01-01EN.

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.

'NS' = The accessory does not support the Directive.

'NR' = The accessory is not relevant to the conformity of the product.

Model No.	Model Name	Description	Relevant EU Directives		
			RE	RoHS	ATEX *1
F9193DH	Antenna	+2dBi Remote Antenna	C	C	C *2
F9193UA	Remote antenna cable	Antenna cable 1 m, Operational temperature range: -40 to +85 °C, With remote antenna mounting bracket.	C	C	C *2
F9193UB		Antenna cable 3 m, Operational temperature range: -40 to +85 °C, With remote antenna mounting bracket.	C	C	C *2
F9193UC		Antenna cable 4 m (1 m+3 m) with arrestor, Operational temperature range: -40 to +85 °C, With remote antenna mounting bracket.	C	C	C *2
F9193UD		Antenna cable 6 m (3 m+3 m) with arrestor, Operational temperature range: -40 to +85 °C, With remote antenna mounting bracket.	C	C	C *2
F9193UE		Antenna cable 13 m (3 m+10 m) with arrestor, Operational temperature range: -40 to +85 °C, With remote antenna mounting bracket.	C	C	C *2
F9915NQ	Battery pack assembly	F9915NQ is a set of F9915MA and instruction manual of the battery pack. F9915MA consists of Battery case (F9915NK) and Lithium-thionyl chloride batteries (F9915NR) 2 pieces	C	C	C
F9915NK	Battery case only	F9915NK is a set of F9915NS (Battery case itself) and instruction manual.	R	C	C
B8808DE	Front door part	Front door Gasket, 1 piece	NR	C	NR
B8808DM		Front door Bolt Cap (Long) , 1 piece	NR	C	NR
B8808DN		Front door Bolt Cap (Short) , 1 piece	NR	C	NR
B8808EM		Front door Bolt SUS316, 1 piece	NR	C	NR

(To be continued to the next page)

Model No.	Model Name	Description	Relevant EU Directives		
			RE	RoHS	ATEX ^{*1}
X010-050-1	Shunt register	50Ω ± 0.1%, for 4 mm screw terminals, Operational temperature range: -25 to +80°C	NR	C	NR
YTMXBP	Blind plug for electrical connection	---	NR	C	NR
F9900GL ^{*3}		---	NR	C	NR
F9900GK ^{*3}		---	NR	C	NR
IM 04R01B01-01EN	User's Manual	---	R	R	R
IM YTMX-S2E	User's Manual	Dedicated manual for /S2	R	R	R

***1:** The accessory indicated with 'C' is intended for incorporation into the product which conforms to the ATEX Directive. This accessory is attested the conformity to ATEX Directive by using accordance with the instruction of the product.

***2:** These accessories are according to EN 60079-11 'Simple Apparatus' and excluded in DEKRA 12ATEX0068 X, but - in case connected to the YTMX580 - in scope of this EU Declaration of Conformity covering the total configuration for all intended applications.

***3:** This is only for the product with option code: /S2.

Appendix 4

External View of YTMX580



Image of Nameplate
(Typical example; details may differ)


Without /KS27:

YTMX[®] MULTI-INPUT TEMPERATURE TRANSMITTER			
MODEL	YTMX580	STYLE	S2.00
SUFFIX	-L72NL-AA-AA/X2/FC1		
SUPPLY	--- VDC ---	--- Wmax. ⚠	
NO.	91K601895	324	
DATE OF MANUFACTURE	2017-05-23		
YOKOGAWA		Made in Japan TOKYO 180-8750 JAPAN	
Yokogawa Electric Corporation		Contains FCC ID : SGJ-WFC001 Contains IC : 8999A-WIC001 This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.	
		⚠ Read / Lisez IM 04R01B01-01	

Image of Nameplate (continued)
(Typical example; details may differ)

With /KS27:

Battery type:

-A/ KS27/ SS27	YTMX[®] MULTI-INPUT TEMPERATURE TRANSMITTER				
	MODEL	YTMX580		STYLE	S2.00
	SUFFIX	-L72NL-AA-AA/KS27/X2/FC1			
	SUPPLY	---		VDC	---
	NO.	91K901895	324		
	DATE OF MANUFACTURE	2017-05-23			
	YOKOGAWA	Made in Japan TOKYO 180-8750 JAPAN Yokogawa Electric Corporation			
	CE	Ex II 1 G	No. DEKRA 12ATEX0068 X No. IECEx DEK 12.0013X Ex ia IIC T4 Ga ENCLOSURE: IP66/IP67 Tamb.: -50 TO 70°C Uo=5.88V, Io=130.1mA, Po=191.2mW, Co=1μF, Lo=1mH		
	0344		Contains FCC ID : SGJ-WFC001 Contains IC : 8999A-WIC001 This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada. ⚠ Read / Lisez IM 04R01B01-01 WARNING ⚠ WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE USER'S MANUAL. USE ONLY BATTERY PACK YOKOGAWA F9915MA OR F9915NS.		

24 VDC type:

-B/ KS27/ SS27	YTMX[®] MULTI-INPUT TEMPERATURE TRANSMITTER				
	MODEL	YTMX580		STYLE	S2.00
	SUFFIX	-L72NL-BA-AA/KS27/X2/FC1			
	SUPPLY	24		VDC	1.2
	NO.	91K601895	324		
	DATE OF MANUFACTURE	2017-05-23			
	YOKOGAWA	Made in Japan TOKYO 180-8750 JAPAN Yokogawa Electric Corporation			
	CE	Ex II 1 G	No. DEKRA 12ATEX0068 X No. IECEx DEK 12.0013X Ex ia IIC T4 Ga ENCLOSURE: IP66/IP67 Tamb.: -50 TO 70°C Ui=28V, Ii=135mA, Pi=850mW, Ci=0.013μF, Li=0.24mH Uo=5.88V, Io=130.1mA, Po=191.2mW, Co=1μF, Lo=1mH		
	0344		Contains FCC ID : SGJ-WFC001 Contains IC : 8999A-WIC001 This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada. ⚠ Read / Lisez IM 04R01B01-01 WARNING ⚠ WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE USER'S MANUAL. USE ONLY BATTERY PACK YOKOGAWA F9915MA OR F9915NS.		

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