

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 with:

Model Code	Model Name
DY###	Vortex Flowmeter
Size: ### = 015, 025, 040, 050, 080, 100, 150, 200, 250, 300, 400	

As part of Product Family: **digital YEWFLO**
further specified with suffix- and option-codes:

As listed in General Specification: GS 01F06A00-01EN (Ed.23)

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 procedures.
- Provided with the CE-marking as from **2001**.

Signature:

(Manufacturer)

Tokyo, 26 June, 2017


Takashi Kawano
General Manager
Field Instruments Dept.
Product Business Center
IA Products and Service Business
Headquarters
Yokogawa Electric Corporation

(Authorized Representative in the EEA)

Amersfoort, 29 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: DY###



Appendix 1

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

Model – Suffix / Option code structure: **DY### - b c d e - f g / x**

Size: ### = 015, 025, 040, 050, 080, 100, 150, 200, 250, 300, 400

(Distinctive combinations of suffix and option codes are indicated per table. Unless otherwise stated, all defined codes are relevant.)

EU Directive	Standards	-Suffix
2014/30/EU (EMC)	EN 61326-1:2013 Class A Table 2	b = D, E , or J
	EN 61326-2-3:2013	
	EN 61326-1:2013 Class A Table 2	b = F
	EN 61326-2-3:2013 EN 61326-2-5:2013	

EU Directive	Standards	Model
2014/68/EU (PED)	2004 ASME Boiler and Pressure Vessels Code – Section VIII, Division 1	### = 040, 050, 080, 100, 150, 200, 250, 300, or 400 see Note
	Sound Engineering Practice	### = 015 or 025

Note:

- PED (Annex II, Table-6):

Category II: size ### = **040, 050, 080, 100**

Category III: size ### = **150, 200, 250, 300, 400**

- Conformity Assessment Procedure: **Module H**.

The Name of the Notified Body: **Lloyd's Register Verification Limited**

The Identification Number of the Notified Body: **0038**

The Address of the Notified Body: **71 Fenchurch Street, London EC3M 4BS, United Kingdom.**

The Number of the Full Quality Assurance Certificate: **RPS 0160135/01**

EU Directive	Standards
2011/65/EU *1 (RoHS)	EN50581:2012








*1: Applicable production sites are shown below. Production site is identified by the first 2 letters of serial number.

Besides, RoHS compliant start date differs by the production site. The condition of the RoHS compliant production sites are as follows:

Production site	Identification (the first 2 letters if serial number)	Production start date of RoHS compliant product
China	S5	1 st June, 2017
Japan	91	1 st July, 2017
Germany	D1	1 st July, 2017

Serial number and Production date are indicated in the frame of "NO." of the name plate. Year and Month of the production are indicated such as '2017.06' and it is following the serial number and is located on the right side of the frame of "NO.".



EU Directive	Standards	-Suffix	/Option
2014/34/EU (ATEX)	<i>Flameproof type</i> see Note 1 EN 60079-0:2012+A11:2013 EN 60079-1:2014	b = D, E, J, F or N	x = KF2.
	<i>Intrinsically safe type (Ex ia)</i> EN 60079-0:2012+A11:2013 EN 60079-11:2012 see Note 2	b = D, E or J (see Marking 1) b = N (see Marking 2)	x = KS2.
	EN 60079-0:2012+A11:2013 EN 60079-11:2012	b = F (see Marking 3) b = N (see Marking 4)	x = KS28.
	<i>Intrinsically safe type (Ex ic)</i> EN 60079-0:2012+A11:2013 EN 60079-11:2012	b = F (see Marking 5) b = N (see Marking 6)	x = KN26.
	The marking of the equipment or protective system:		
	<i>Flameproof type</i>  II 2 G Ex d IIC T6...T1 Gb 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 11ATEX0212 X Note 1: The listed standards have been compared to the standards EN 60079-0:2009 and EN 60079-1:2007 used for certification purposes, but no clauses containing changes in state-of-art apply to these products.		
<i>Intrinsically safe type (Ex ia)</i> ●Marking 1  II 1 G Ex ia IIC T4...T1 Ga ●Marking 2  II 1 G Ex ia IIC T6...T1 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 13ATEX0192 X Note 2: The listed standards have been compared to the standards EN 60079-0:2009, EN 60079-0:2012, EN 60079-11:2012 and EN 60079-26:2007 used for certification purposes, but no clauses containing changes in state-of-art apply to these products. EN 60079-26 no longer applies to DY### due to the scope of EN 60079-26:2015, which excludes equipment with a single type of protection, such as Ex "ia".			
●Marking 3  II 1 G Ex ia IIC T4...T1 Ga ●Marking 4  II 1 G Ex ia IIC T6...T1 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: KEMA 03ATEX1136 X			
<i>Intrinsically safe type (Ex ic)</i> ●Marking 5  II 3 G Ex ic IIC T4...T1 Gc ●Marking 6  II 3 G Ex ic IIC T6...T1 Gc			



Appendix 2

Additional General Specifications relevant for details:

-Suffix/Option *1	General Specification
(common)	GS 01F06A00-01EN (Ed.23)
b = F	GS 01F06F01-01EN (Ed.13)
c = W e = BD5, BD6, BD7 x = DEG, ESD, ASF, DFC, DFE, DSN, DC1, DC2, FPC, WPB	GS 01F06A00-01EN-R (Ed.4) Only for EEA market.

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

In case the Product model code contains the code "Z", it means that the Product is produced with a customer specific modification. Any such Product - in case 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 product has no accessories.

IM 01F06A01-01EN has CE-marking significant compliance relevance as the essential part of the product. Instructions relevant for safe use are described in **IM 01F06A01-01EN**.

Yokogawa Electric Corporation
4/6



Appendix 4

Front View of Vortex Flowmeter



Integral Type (-Suffix: b = D, E, J or F)



Remote Type Detector (-Suffix: b = N)

Image of product name plate
(Typical example, details may differ)

Integral Type (-Suffix: b = D, E, J or F)

digital VORTEX FLOWMETER		OUTPUT 4 – 20mA DC / PLUSE	TAG NO.
		MWP 1.37 MPa at 38°C	
MODEL DY025	STYLE S1	PROCESS TEMP. -29 to +250 °C	
SUFFIX -EBLAA1-4D		K-FACTOR KM 1234 P/I	
/KS2/MV		RANGE	
		NO. S5GB12546 812	
SUPPLY 10.5 - 30	V DC	2017.06	
Yokogawa Electric Corporation TOKYO 180-8750 JAPAN YOKOGAWA Made in China		⚠ READ IM 01F06A01-01	

*) MODEL and SUFFIX are shown an example.

<p>●/Option: x = KF2</p> <p>CE 0038 0344 Ex II 2G</p> <p>No. DEKRA 11ATEX0212 X</p> <p>Ex d IIC T6...T1 Gb</p> <p>Tamb: -40 TO +60°C / -30 TO +60°C (WITH INDICATOR)</p> <p>TEMP CLASS: T6 T5 T4 T3 T2 T1</p> <p>PROCESS TEMP: -40 to 80 100 135 200 300 450°C</p> <p>NOTE: USE /HT VERSION ABOVE 250°C</p> <p>*) DY015 and DY025 do not include '0038'.</p>	<p>●/Option: x = KN26</p> <p>CE 0038 Ex II 3 G</p> <p>-40°C ≤ Ta ≤ +80°C</p> <p>Enclosure: IP66/IP67</p> <p>FISCO field device</p> <p>Ex ic IIC T4...T1 Gc</p> <p>Ui: 32 V, Ci: 3.52 nF, Li: 0 mH</p> <p>*) DY015 and DY025 do not include '0038'.</p>
<p>●/Option: x = KS2</p> <p>CE 0038 0344 Ex II 1G</p> <p>Ex ia IIC T4...T1 Ga No. DEKRA 13ATEX0192 X</p> <p>-50°C ≤ Ta ≤ 60°C</p> <p>Ui: 30 V, li: 300 mA, Pi: 0.9 W, Ci: 14 nF, Li: 0 mH</p> <p>*) DY015 and DY025 do not include '0038'.</p>	<p>●/Option: x = KS28</p> <p>CE 0038 0344 Ex II 1G</p> <p>No. KEMA 03ATEX1136 X</p> <p>FISCO field device</p> <p>Ex ia IIC T4...T1 Ga</p> <p>-40°C ≤ Ta ≤ 60°C</p> <p>Entity: Ui: 24 V, li: 250 mA, Pi: 1.2 W, Ci: 3.52 nF, Li: 0 mH</p> <p>*) DY015 and DY025 do not include '0038'.</p>



Image of product name plate
(Typical example, details may differ)

Remote Type Detector (-Suffix: b = N)

digital YEW FLO		OUTPUT	4 – 20mA DC / PLUSE	TAG NO.
VORTEX FLOWMETER		MWP	1.37 MPa at 38°C	
MODEL	DY025	STYLE	S1	
SUFFIX	-NBLAA1-4N	PROCESS TEMP.	-29 to +250 °C	
/KS2/MV		K-FACTOR	KM 1234 P/I	
		RANGE		
		NO.	S5GB12547 812	
SUPPLY	10.5 - 30	V DC	2017.06	
Yokogawa Electric Corporation TOKYO 180-8750 JAPAN YOKOGAWA Made in China		⚠ READ IM 01F06A01-01		

*) MODEL and SUFFIX are shown an example.

<p>●/Option: x = KF2</p> <p>CE⁰⁰³⁸ 0344 Ex II 2G</p> <p>No. DEKRA 11ATEX0212 X</p> <p>Ex d IIC T6...T1 Gb</p> <p>Tamb: -40 TO +60°C</p> <p>TEMP CLASS: T6 T5 T4 T3 T2 T1</p> <p>PROCESS TEMP: -40 to 80 100 135 200 300 450°C</p> <p>NOTE: USE /HT VERSION ABOVE 250°C</p> <p>*) DY015 and DY025 do not include '0038'.</p>	<p>●/Option: x = KN26</p> <p>CE⁰⁰³⁸ Ex II 3 G</p> <p>Ex ic IIC T6...T1 Gc</p> <p>Enclosure: IP66/IP67</p> <p>-50°C ≤ Ta ≤ +80°C</p> <p>*) DY015 and DY025 do not include '0038'.</p>
<p>●/Option: x = KS2</p> <p>CE⁰⁰³⁸ 0344 Ex II 1G</p> <p>Ex ia IIC T6...T1 Ga No. DEKRA 13ATEX0192 X</p> <p>-50°C ≤ Ta ≤ 80°C</p> <p>*) DY015 and DY025 do not include '0038'.</p>	<p>●/Option: x = KS28</p> <p>CE⁰⁰³⁸ 0344 Ex II 1G</p> <p>No. KEMA 03ATEX1136 X</p> <p>Ex ia IIC T6...T1 Ga</p> <p>-50°C ≤ Ta ≤ 80°C</p> <p>*) DY015 and DY025 do not include '0038'.</p>

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EU DECLARATION OF CONFORMITY

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

Our authorized representative in Europe
Yokogawa Europe B.V.
Euroweg 2, 3825 HD Amersfoort,
P.O. Box 163, 3800 AD Amersfoort,
The Netherlands

declare under our sole responsibility that the products

DY/DYA series Vortex Flowmeter

(See General Specification for the detailed description of suffix and option codes.)

to which this declaration relates are in conformity with the following standards or other normative documents:

EN 61326-1: 2013 Class A, Table 2 (For use in industrial locations)

Electrical equipment for measurement, control and laboratory use - EMC requirements-
Part 1: General requirements

EN 61326-2-3: 2013

Electrical equipment for measurement, control and laboratory use - EMC requirements -
Part 2-3: Particular requirements – Test configurations, operational conditions and performance
criteria for transducers with integrated or remote signal conditioning

EN 61326-2-5: 2013

Electrical equipment for measurement, control and laboratory use - EMC requirements
Part 2-5: Particular requirements - Test configurations, operational conditions and performance
criteria for devices with field bus interfaces according to IEC 61784-1

following the provisions of EMC directive 2004/108/EC.

Subject products are manufactured and tested according to appropriate quality
control procedures.

Tokyo, 10 April, 2015

Signature:

Takashi Kawano

Takashi Kawano
General Manager
Flowmeter Dept.
Product Business Center
IA Platform Business Headquarters



Yokogawa Electric Corporation