

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 | Option Code ^{*)} | Model Name |
| AXW### | /EC | Magnetic Flowmeters |

Size: ### = 025, 032, 040, 050, 065, 080, 100, 125, 150, 200, 250, 300, 350 and 400

^{*)} This EU Declaration of Conformity is limited to the product with this option code.

as part of Product Family: **ADMAG TI of Magnetic Flowmeters**
 further specified with suffix- and option-codes:

as listed in General Specification: GS 01E24A01-01EN (Ed. 19)
 (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 **2018**.

Signature:

(Manufacturer)

Tokyo, 2 August 2023



 Hiroshi Kusuyama
 General Manager
 Flowmeter Marketing Department
 Sensing Center
 Yokogawa Products HQ
 Yokogawa Electric Corporation

(Authorized Representative in the EEA)

Amersfoort, 07 September 2023

DocuSigned by:

 3051501CF33C498...

 Günter Klein
 QHSE Manager – Regional Process Owner
 Yokogawa Europe B.V.
 Euroweg 2, 3825 HD Amersfoort,
 P.O.Box 163, 3800 AD Amersfoort,
 The Netherlands

Appendix 1

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

Model – Suffix / Option code structure: **AXW###** – b c ddd eee f g h i j k – l m n o / x / **EC**

Size: ### = 025, 032, 040, 050, 065, 080, 100, 125, 150, 200, 250, 300, 350 and 400
Explosion Protection ('ddd') is limited to: **000**, **KF2** or **SF2** *1, *2

*1: ATEX Explosion Protection ('ddd') is limited to: **KF2**. See more details in Appendix1 - ATEX's information

*2: IECEx Explosion Protection ('ddd') is limited to **SF2** and shall combined with the option x = **WCD**. The suffix code **SF2** does not comply with the ATEX Directive and only complies with EMC, LVD, RoHS and PED (if applicable).

(Distinctive combinations of suffix and option codes as indicated per table).

| EU Directive | Standards | -Suffix |
|---------------------|---|--|
| 2014/30/EU (EMC) | EN 61326-1:2013 Class A Table 2 EN 61326-2-3:2013 EN 61000-3-2:2014, EN IEC 61000-3-2:2019 EN 61000-3-3:2013, EN 61000-3-3:2013+A1:2019 | l = 1 and mm = D\$, J\$, M% or P0 (\$ = A, E, or G), (% = 0, or 6) |
| | EN 61326-1:2013 Class A Table 2 EN 61326-2-3:2013 EN 61326-2-5:2013 EN 61000-3-2:2014, EN IEC 61000-3-2:2019 EN 61000-3-3:2013, EN 61000-3-3:2013+A1:2019 | l = 1 and mm = F0 or G0 |
| | EN 61326-1:2013 Class A Table 2 EN 61326-2-3:2013 | l = 2 and mm = D\$, J\$, M% or P0 (\$ = A, E, or G), (% = 0, or 6) |
| | EN 61326-1:2013 Class A Table 2 EN 61326-2-3:2013 EN 61326-2-5:2013 | l = 2 and mm = F0 or G0 |

| EU Directive | Standards | -Suffix |
|---------------------|--|---------|
| 2014/35/EU (LVD) | EN 61010-1:2010+A1:2019 EN IEC 61010-2-030: 2021+A11:2021 | any |

| EU Directive | Standards | Model |
|---------------------|--|--|
| 2014/68/EU (PED) | EN 13480-3:2017 EN 13445-3:2014+A1:2005+A2:2016+A3:2017 +A4:2018+A5:2018+A6:2019+A7:2019+A8:2019 EN ISO 15614-1:2004+A2:2012 EN ISO 14732:2013 | ### = 032, 040, 050, 065, 080, 100, 125, 150, 200, 250, 300, 350 or 400 see Note |

Note:

- Category of the pressure equipment:

Category II: size ### = 032, 040, 050, 065, 080, 125 (Wafer), 150 (Wafer)

Category III: size ### = 100, 125 (Flange), 150 (Flange), 200, 250, 300, 350, 400

*) : *Indications in parentheses shows the 'Process connection'.*

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

The Name of the Notified Body: **TÜV Rheinland Industrie Service GmbH**

The Identification Number of the Notified Body: **0035**

The Address of the Notified Body: **Am Grauen Stein, D-51105 Köln, Germany.**

The Number of the Certificate for Quality-Assurance System: **01 202 J/Q-18 0064** *3

*3: We, Yokogawa Electric Corporation, declare that this certificate is effective on and after 2019-03-23.

| EU Directive | Standards |
|--------------------------------|--------------------------|
| 2011/65/EU *4 (RoHS) | EN IEC 63000:2018 |

*4: Including the Commission Delegated Directive (EU) 2015/863 that defines the ten (10) restricted substances and amends Annex II to Directive 2011/65/EU.


| EU Directive | Standards | -Suffix | | |
|--|---|--|--|--|
| 2014/34/EU (ATEX) | EN IEC 60079-0:2018 EN 60079-1: 2014 EN IEC 60079-7:2015+A1:2018 EN 60079-11:2012 EN 60079-31:2014 | Integral Type Flowmeter: | | |
| | | c ddd mm n | | |
| | | A KF2 D\$, J\$, M%, F0, G0 1 | | |
| | | (\$ = A, E, or G), (% = 0, or 6) See Marking 1 | | |
| | | Integral Type Flowmeter: | | |
| | | c ddd mm n | | |
| A KF2 D\$, J\$, M%, F0, G0 2 | | | | |
| (\$ = A, E, or G), (% = 0, or 6) See Marking 2 | | | | |
| Remote Sensor: | | | | |
| c ddd mm n | | | | |
| D, E or W KF2 NN N | | | | |
| See Marking 3 | | | | |

The marking of the equipment or protective system:

Marking 1

 II 2G Ex db eb ia IIC T6...T3 Gb *5
 II 2D Ex tb IIIC T75°C...T130°C Db *5

Marking 2

 II 2G Ex db eb ia IIC T6...T3 Gb *5
 II 2D Ex tb IIIC T75°C...T130°C Db *5
 Ex db *2 Ex eb *4

Marking 3

 II 2G Ex db eb ia IIC T6...T3 Gb *5
 II 2D Ex tb IIIC T75°C...T150°C Db *5

The number of the EU-Type Examination Certificate: **FM17ATEX0031X** is issued by:

The Name of the Notified Body: **FM Approvals Europe Limited**

The Identification Number of the Notified Body: **2809**

The Address of the Notified Body: **Element 78, Ground Floor Block A, One Georges Quay Plaza, Dublin 2 D02 E440, Ireland**

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**

*5: Depending on the structure to be connected, the boxes of the selected type of protection are checked. The check box of will be ticked by a user.

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 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 01E21A11-01EN has CE-marking significant compliance relevance as the essential part of the product. Instructions relevant for safe use are described in **IM 01E24A01-01EN** guided by **IM 01E21A11-01EN**.

Appendix 4

Front View of Integral Type Flowmeter and Remote Sensor
(For the indication regarding the position of the suffix code, see Appendix 1)

Integral Type Flowmeter (-Suffix: c = **A**)

Remote Sensor (-Suffix: c = **D, E, W**)



Product name plate

(Typical example, details may differ.)

For the indication regarding the position of the suffix code, see Appendix 1)

■ **Integral Type Flowmeter** (-Suffix: c = **A**)

Non-Explosion Protection Approval (-Suffix: ddd = **000** and mm = **Any** except **NN**)

| | | | | | | |
|---|-----------|----------------------------|-----------------------|-----------------------|--------------------|--|
| ADMAG AXW MAGNETIC FLOWMETER | | MSIP-REM- YHQ-ERA030-25 | CE 0035 | 10 | | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR L: 1.2345 | SUPPLY: 100-120 | VDC= 13W | NO.: S5GB12650 825 | |
| SUFFIX: -GA000AA1FL222B-1DA11/EC | | H: 1.2344 | 100-240 | VAC~ 50/60Hz 40VA 13W | TAG NO.: | |
| | | FLUID PRESS: 1.9 MPa MAX. | OUTPUT: CUR/PLS BRAIN | | | |
| | | FLUID TEMP.: -10 TO 130 °C | | | | |
| SIZE: 50 mm | | AMB. TEMP.: -10 TO 60 °C | | | | |
| YOKOGAWA ◆ Made in China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | DIR.: 0DEG HORIZONTAL | | | |
| | | | 2018.06 | | | |

F9860DC
 READ/LISEZ IM 01E21A11-01

IECEX Flameproof + CE marking [-Suffix: ddd = **SF2**, mm = **J\$** or **M%** (**\$** = **A, E** or **G**, **%** = **0** or **6**) and x = **WCD**]

The suffix code **SF2** does not comply with the ATEX Directive and only complies with EMC, LVD, RoHS and PED (if applicable).


| | | | | | | |
|---|-----------|----------------------------|-----------------------|-----------------------|--------------------|--|
| ADMAG AXW MAGNETIC FLOWMETER | | MSIP-REM- YHQ-ERA030-25 | CE 0035 | 10 | | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR L: 1.2345 | SUPPLY: 100-120 | VDC= 13W | NO.: S5GB12650 825 | |
| SUFFIX: -CASF2AA1FL222B-1JA11/EC/WCD | | H: 1.2344 | 100-240 | VAC~ 50/60Hz 40VA 13W | TAG NO.: | |
| | | FLUID PRESS: 1.9 MPa MAX. | OUTPUT: CUR/PLS HART | | | |
| | | FLUID TEMP.: -10 TO 120 °C | | | | |
| SIZE: 50 mm | | AMB. TEMP.: -10 TO 60 °C | | | | |
| YOKOGAWA ◆ Made in China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | DIR.: 0DEG HORIZONTAL | | | |
| | | | 2018.06 | | | |


| | |
|--|---|
| <p>IECEX FMG 17.0014X</p> <p><input type="checkbox"/> Ex db eb ia IIC T6...T3 Gb</p> <p><input type="checkbox"/> Ex tb IIIC T75°C...T130°C Db</p> <p>Um: 250V IP66/IP67</p> | <p>READ/LISEZ IM 01E21A11-01</p> <p>WARNING:</p> <p>AFTER DE-ENERGIZING, DELAY 20 MINUTES BEFORE OPENING</p> <p>POTENTIAL ELECTROSTATIC CHARGING HAZARD READ IM 01E21A03-03</p> |
|--|---|

F9860NE

ATEX Frameproof, M4 screw type [-Suffix: ddd = **KF2**, mm = **D\$, J\$, M%**, **F0** or **G0** (\$ = **A, E** or **G**, % = **0** or **6**) and n = 1]

| | | | | | | | |
|---|-----------|-----------------------|------------------------|----------------------|---|----------|---------------|
| ADMAG AXW MAGNETIC FLOWMETER | | MSP-REM-YHQ-ERA030-25 | | CE 0344 0035 | | 10 | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR | L: 1.2345 H: 1.2344 | SUPPLY: | 100-120 VDC= 13W 100-240 VAC~ 50/60Hz 40VA 13W | NO.: | S5GB12650 825 |
| SUFFIX: -CAKF2AA1FL222B-1DA11/EC | | FLUID PRESS: | 1.9 MPa MAX. | OUTPUT: | CUR/PLS BRAIN | TAG NO.: | |
| SIZE: 50 mm | | FLUID TEMP.: | -10 TO 120 °C | DIR.:0DEG HORIZONTAL | | | |
| AMB.TEMP.: | | | -10 TO 60 °C | | | | |
| YOKOGAWA Made In China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | | 2018.06 | | | |



FM 17ATEX0031 X
 Ex db eb ia IIC T6_T3 Gb
 Ex tb IIIC T75°C...T130°C Db
 Um:250V IP66/IP67



READ/LISEZ IM 01E21A11-01
WARNING:
 AFTER DE-ENERGIZING, DELAY 20 MINUTES BEFORE OPENING
 POTENTIAL ELECTROSTATIC CHARGING HAZARD READ IM 01E21A03-02

F9860DG

ATEX Frameproof, Clamp type [-Suffix: ddd = **KF2**, mm = **D\$, J\$** or **M%**, **F0** or **G0** (\$ = **A, E** or **G**, % = **0** or **6**) and n = 2]

| | | | | | | | |
|---|-----------|-----------------------|------------------------|----------------------|---|----------|---------------|
| ADMAG AXW MAGNETIC FLOWMETER | | MSP-REM-YHQ-ERA030-25 | | CE 0344 0035 | | 10 | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR | L: 1.2345 H: 1.2344 | SUPPLY: | 100-120 VDC= 13W 100-240 VAC~ 50/60Hz 40VA 13W | NO.: | S5GB12650 825 |
| SUFFIX: -CAKF2AA1FL222B-1DA21/EC | | FLUID PRESS: | 1.9 MPa MAX. | OUTPUT: | CUR/PLS BRAIN | TAG NO.: | |
| SIZE: 50 mm | | FLUID TEMP.: | -10 TO 120 °C | DIR.:0DEG HORIZONTAL | | | |
| AMB.TEMP.: | | | -10 TO 60 °C | | | | |
| YOKOGAWA Made In China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | | 2018.06 | | | |


FM 17ATEX0031 X
 Ex db eb ia IIC T6_T3 Gb
 Ex tb IIIC T75°C...T130°C Db
TERMINAL COMPARTMENT
 Ex db Ex eb
 Um:250V IP66/IP67


READ/LISEZ IM 01E21A11-01
WARNING:
 AFTER DE-ENERGIZING, DELAY 20 MINUTES BEFORE OPENING
 POTENTIAL ELECTROSTATIC CHARGING HAZARD READ IM 01E21A03-02

F9860DF

■ Remote Sensor (-Suffix: c = D, E or W)

Non-Explosion Protection Approval (-Suffix: ddd = 000 and mm = NN)

| | | | | |
|--|-----------|----------------------------|---------------------|--|
| ADMAG AXW MAGNETIC FLOWMETER | | MSIP-REM-YHQ-ERA030-25 | CE 0035 | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR L: 1.2345 | NO.: S5GB12650 825 | |
| SUFFIX: -GW000AA1FL222B-NNNNN/EC | | H: 1.2344 | TAG NO.: | |
| SIZE: 50 mm | | FLUID PRESS: 1.9 MPa MAX. | COMB NO.: S5GB12640 | |
| | | FLUID TEMP.: -10 TO 130 °C | | |
| | | AMB. TEMP.: -10 TO 60 °C | | |
| 2018.06 DIR.:0DEG | | | | |
| YOKOGAWA Made in China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | | |

F9860FC
READ/LISEZ IM 01E21A11-01

IECEx Flameproof + CE marking (-Suffix: ddd = SF2, mm = NN and x = WCD)

The suffix code SF2 does not comply with the ATEX Directive and only complies with EMC, LVD, RoHS and PED (if applicable).

| | | | | |
|--|-----------|----------------------------|---------------------|--|
| ADMAG AXW MAGNETIC FLOWMETER | | MSIP-REM-YHQ-ERA030-25 | CE 0035 | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR L: 1.2345 | NO.: S5GB12650 825 | |
| SUFFIX: -CWSF2AA1FL222B-NNNNN/EC/WCD | | H: 1.2344 | TAG NO.: | |
| SIZE: 50 mm | | FLUID PRESS: 1.9 MPa MAX. | COMB NO.: S5GB12640 | |
| | | FLUID TEMP.: -10 TO 120 °C | | |
| | | AMB. TEMP.: -10 TO 60 °C | | |
| 2018.06 DIR.:0DEG | | | | |
| YOKOGAWA Made in China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | | |

IECEx FMG 17.0014X
 Ex db eb ia IIC T6...T3 Gb
 Ex tb IIIC T75°C...T150°C Db
 Um:250V IP66/IP67

F9860NF
READ/LISEZ IM 01E21A11-01
WARNING: DE-ENERGIZING BEFORE OPENING
POTENTIAL ELECTROSTATIC CHARGING HAZARD READ IM 01E21A03-03

ATEX Flameproof (-Suffix: ddd = KF2 and mm = NN)

| | | | | |
|--|-----------|----------------------------|---------------------|--|
| ADMAG AXW MAGNETIC FLOWMETER | | MSIP-REM-YHQ-ERA030-25 | CE 0344 0035 | |
| MODEL: AXW050 | STYLE: S1 | METER FACTOR L: 1.2345 | NO.: S5GB12650 825 | |
| SUFFIX: -CWKF2AA1FL222B-NNNNN/EC | | H: 1.2344 | TAG NO.: | |
| SIZE: 50 mm | | FLUID PRESS: 1.9 MPa MAX. | COMB NO.: S5GB12640 | |
| | | FLUID TEMP.: -10 TO 120 °C | | |
| | | AMB. TEMP.: -10 TO 60 °C | | |
| 2018.06 DIR.:0DEG | | | | |
| YOKOGAWA Made in China Yokogawa Electric Corporation Tokyo 180-8750 JAPAN | | | | |

II 2 G FM 17ATEX0031 X
 Ex db eb ia IIC T6...T3 Gb
 Ex tb IIIC T75°C...T150°C Db
 Um:250V IP66/IP67

F9860FE
READ/LISEZ IM 01E21A11-01
WARNING: DE-ENERGIZING BEFORE OPENING
POTENTIAL ELECTROSTATIC CHARGING HAZARD READ IM 01E21A03-02

-/-