User's Manual

YTA610 and YTA710
Temperature Transmitters
(Hardware)

YTA Series

Manual Change 23-20E

Please use this manual change with the user's manuals listed below.

1. Applicable Users' Manuals

IM No. (Edition)	Documant Name	Page
IM 01C50G01-01EN (7)	YTA610 and YTA710 Temperature Transmitters (Hardware)	2-34

2. Information to be changed/added

Please replace the existing descriptions by the following updated descriptions.

Before Change	After Change
2.9 Safety Requirement Standards EN 61010-2-030	2.9 Safety Requirement Standards EN IEC 61010-2-030
2.10 EU RoHS Directive Applicable standard: EN 50581 Applicable production sites is shown below. The production sites of the RoHS compliant product are confirmed by the serial number shown in the frame of "NO." in the name plate of the product. Serial numbers (9 letters): **NNYMnnnnn** **NN**: Identification code of production site Use "C2, U1, BH, Y3, S5 or 91" **Y**: Year of production 2015: Use "R" 2016: Use "S" 2017: Use "T" 2018: Use "U" 2019: Use "V" 2020: Use "W" 2021: Use "X" **M**: Month of production January to September: Use "1" to "9" (January: 1, September: 9). October: Use "A". November: Use "B". December: Use "C". **nnnnn**: 5-digit number assigned sequentially in each production date by the production site.	2.10 EU RoHS Directive Applicable standard: EN IEC 63000 Applicable production sites are shown below. The condition of the RoHS compliant production sites are as follows: Singapore, China, Japan, Saudi Arabia, UAE, USA The production sites can be confirmed by the serial number shown in the frame of "NO." in the name plate of the product. Serial numbers (9 letters): **AAnnnnnnn** **AA**: Identification code of production site Singapore: Use "C2" or "C0" China: Use "S5" Japan: Use "91" or "90" Saudi Arabia: Use "Y3" UAE: Use "Y4" USA: Use "U1"

User's Manual

YTA610 and YTA710 Temperature Transmitters (Hardware)

YTA Series

Manual Change No.24-01E

The following information for YTA610 and YTA710 with optional codes /UK is added.
Please use this manual change for the following manual.

1. Applicable Users' Manuals

IM No. (Edition)	Document Name	Applicable Part
IM 01C50G01-01EN (7)	YTA610 and YTA710 Temperature Transmitters (Hardware)	■ For Safe Use of Product

2. Contents of Addition

■ **For Safe Use of Product**
(h) UKCA mark (optional code /UK)

UK
CA

In the case of optional codes /UK, this conformity mark indicates that the product complies with UKCA requirements.

In relation to UKCA marking,
The importer for this product into the Great Britain market via the YOKOGAWA sales channel is Yokogawa United Kingdom Limited, Stuart Road Manor Park Runcorn, WA7 1TR, United Kingdom

YOKOGAWA
Yokogawa Electric Corporation

April 22th, 2024

User's Manual

YTA610 and YTA710 Temperature Transmitters

Manual Change No.25-02E

Please use this manual change for the manuals as listed in below.

1. Applicable User's Manual and Page

IM No.	Ed.	IM Title	Applicable Item
IM 01C50G01-01EN	7th	YTA610 and YTA710 Temperature Transmitter (Hardware)	(I), (III), (V)
IM 01C50G01-02EN	4th	YTA610 and YTA710 NEPSI Certification	(II)

2. Information to be replaced

Please replace the existing descriptions by the following updated descriptions.

Item (I) ATEX/IECEx Certification

Applicable Part	Before change	After change
2.7.1 ATEX Certification (1) Technical Data	**a) ATEX intrinsically safe approval** Note 1. Certification information ①4 - 20mA type / ②Fieldbus type [Intrinsically safe ia] • Enclosure: IP66/IP67 [Intrinsically safe ic] • Enclosure: IP66/IP67 **b) ATEX Flameproof Type and Dust Ignition Proof Type** Note 1. Certification information • Degree of protection of enclosure: IP66/IP67 Note 3. Operation • To satisfy IP66 or IP67, apply waterproof glands to the electrical connection port.	**a) ATEX intrinsically safe approval** Note 1. Certification information ①4 - 20mA type / ②Fieldbus type [Intrinsically safe ia] • Enclosure: IP66 in accordance with EN IEC60079-0, IP67 in accordance with only IEC60529 [Intrinsically safe ic] • Enclosure: IP66 in accordance with EN IEC60079-0, IP67 in accordance with only IEC60529 **b) ATEX Flameproof Type and Dust Ignition Proof Type** Note 1. Certification information • Degree of protection of enclosure: IP66 in accordance with EN IEC60079-0 Note 3. Operation • To satisfy IP66, apply waterproof glands to the electrical connection port. Note 4. Specific Condition of use The unearthed hanging tag plate has a capacitance of 4 pF. In case of /N4(optional cord) and Group IIC, suitability in the specific application shall be determined by the user.

2.7.2 IECEx Certification (1) Technical Data	**a) IECEx intrinsically safe approval** Note 1. Certification information ①4 - 20mA type / ②Fieldbus type • Enclosure: IP66/IP67 Note 3. Conditions for safe use 1. Cable entry devices satisfying IP66/IP67 should be applied when installed in a hazardous area, and redundant holes for cable entry should be closed by suitable blanking elements. **b) IECEx Flameproof Type and Dust Ignition Proof Type** Note 1. Certification information • Enclosure: IP66/IP67 Note 3. Operation • To satisfy IP66 or IP67, apply waterproof glands to the electrical connection port.	**a) IECEx intrinsically safe approval** Note 1. Certification information ①4 - 20mA type / ②Fieldbus type • Enclosure: IP66 in accordance with IEC60079-0, IP67 in accordance with only IEC60529 Note 3. Conditions for safe use 1. Cable entry devices satisfying IP66 should be applied when installed in a hazardous area, and redundant holes for cable entry should be closed by suitable blanking elements. **b) IECEx Flameproof Type and Dust Ignition Proof Type** Note 1. Certification information • Enclosure: IP66 in accordance with IEC60079-0 Note 3. Operation • To satisfy IP66, apply waterproof glands to the electrical connection port. Note 4. Specific Condition of use The unearthed hanging tag plate has a capacitance of 4 pF. In case of /N4(optional cord) and Group IIC, suitability in the specific application shall be determined by the user.

Item (II) NEPSI Certification

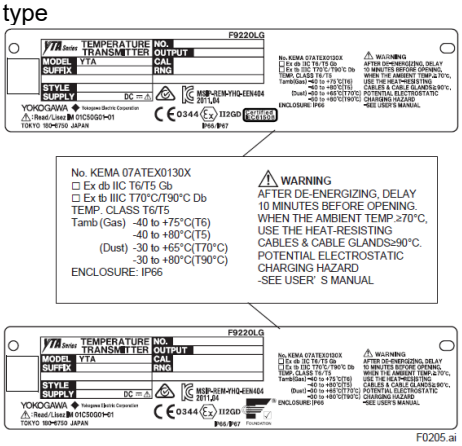
Applicable Part	Before change	After change
2. NEPSI Certification (1) Technical Data	**a) NEPSI intrinsically safe type** Note 1. Certification information ①4 - 20mA type / ②Fieldbus type • Applicable Standard GB3836.1-2010, GB3836.4-2010, GB3836.20-2010, GB3836.19-2010, GB12476.1-2013, GB12476.4-2010 • Ambient temperature：-30 to 70℃ (Ex iaD) • Enclosure: IP66/IP67 ①4 - 20mA type • Type of Protection and Marking code Ex ia IICT4/T5 Ga Ex ic IIC T4/T5 Gc Ex iaD [iaD 20] 21 IP6X T135℃ ②Fieldbus type • Type of Protection and Marking code Ex iaD [iaD 20] 21 IP6X T1 Note 4. Conditions for safe use 1. Cable entry devices satisfying IP66/IP67 should be applied when installed in a hazardous area, and redundant holes for cable entry should be closed by suitable blanking elements. 4.The selected type of the Ex marking on the name plate should be indicated. For this purpose, the tick boxes can be used as follows. ☑ Ex ia IIC T4 Ga ☐ Ex iaD [iaD 20] 21 IP6X T135℃ ☐ Ex ic IIC T4 Gc **b) NEPSI Flameproof Type** Note 1. Certification information • Applicable Standard GB3836.1-2010, GB3836.2-2010, GB12476.1-2013, GB12476.5-2013 • Type of Protection and Marking code Ex d IIC T5/T6 Gb Ex tD A21 IP66/IP67 T70℃/T90℃ • Enclosure: IP66/IP67 Note 3. Installation ・When the one type of protection is installed, tick the box of the selected type of protection on the label when the transmitter is installed to avoid confusion. ☑ Ex d IIC T6/T5 Gb ☐ Ex tD A21 IP66/IP67 T70°C/T90°C	**a) NEPSI intrinsically safe type** Note 1. Certification information ①4 - 20mA type / ②Fieldbus type • Applicable Standard GB/T 3836.1, GB/T 3836.4 • Ambient temperature：-30 to 70℃ (Ex ia [ia Da]) • Enclosure: IP66 in accordance with IEC60079-0 ①4 - 20mA type • Type of Protection and Marking code Ex ia IIC T4…T5 Ga Ex ic IIC T4…T5 Gc Ex ia [ia Da] IIIC T135℃ Db ②Fieldbus type • Type of Protection and Marking code Ex ia [ia Da] IIIC T135℃ Db Note 4. Conditions for safe use 1. Cable entry devices satisfying IP66 should be applied when installed in a hazardous area, and redundant holes for cable entry should be closed by suitable blanking elements. 4.The selected type of the Ex marking on the name plate should be indicated. For this purpose, the tick boxes can be used as follows. ☑ Ex ia IIC T4 Ga ☐ Ex ia [ia Da] IIIC T135℃ Db ☐ Ex ic IIC T4 Gc **b) NEPSI Flameproof Type** Note 1. Certification information • Applicable Standard GB/T 3836.1, GB/T 3836.2, GB/T 3836.31 • Type of Protection and Marking code Ex db IIC T5…T6 Gb Ex tb IIIC T70℃…T90℃ Db • Enclosure: IP66 in accordance with IEC60079-0 Note 3. Installation ・When the one type of protection is installed, tick the box of the selected type of protection on the label when the transmitter is installed to avoid confusion. ☑ Ex db IIC T5…T6 Gb ☐ Ex tb IIIC T70℃…T90℃ Db

Item (III) Nameplates for ATEX/IECEx Certification

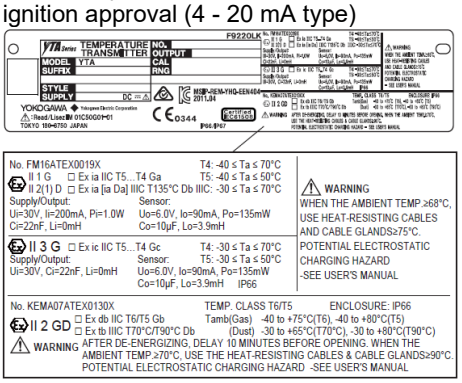
Name plates for ATEX/IECEx certification has changed as shown below.

2.7.1 ATEX Certification

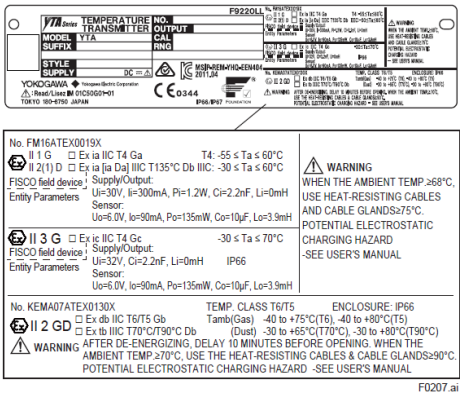
(6) Name Plate
YTA710 /KF2 Flameproof and Dust ignition proof type



Intrinsically safe approval and Flameproof and Dust ignition approval (4 - 20 mA type)

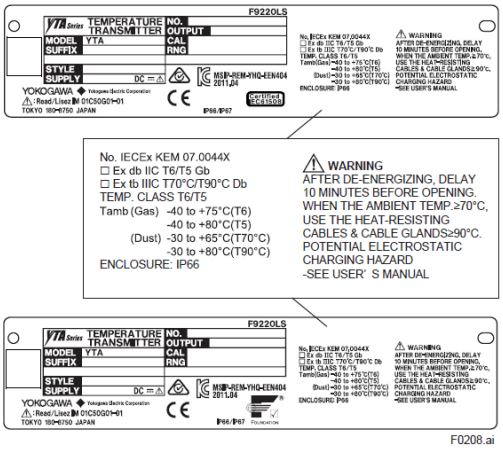


Intrinsically safe approval and Flameproof and Dust ignition approval (Fieldbus type)

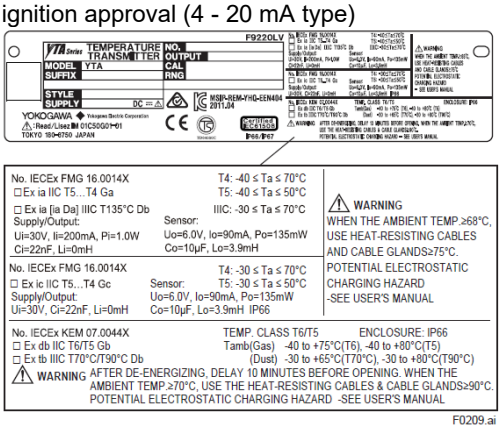


2.7.2 IECEx Certification

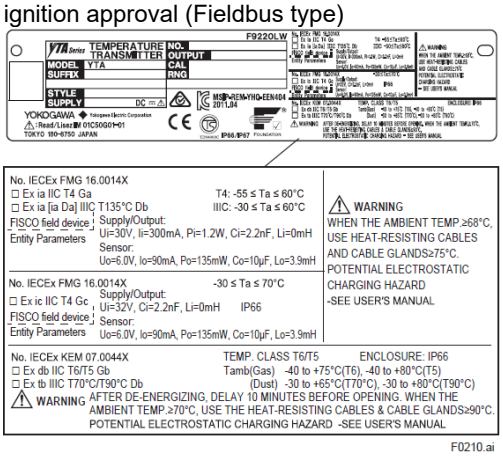
(3) Name Plate
YTA710 /SF2 Flameproof and Dust ignition proof type



Intrinsically safe approval and Flameproof and Dust ignition approval (4 - 20 mA type)



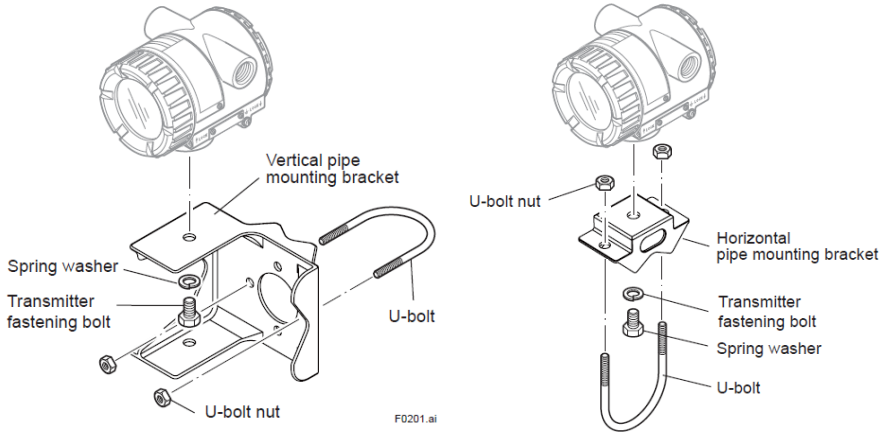
Intrinsically safe approval and Flameproof and Dust ignition approval (Fieldbus type)



Item (V) Mounting Bracket

Mounting brackets has changed as shown in the figures below.
Please replace the existing figures by the following updated figures.

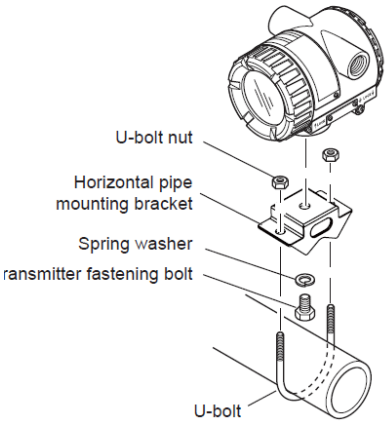
2. Notes on handling



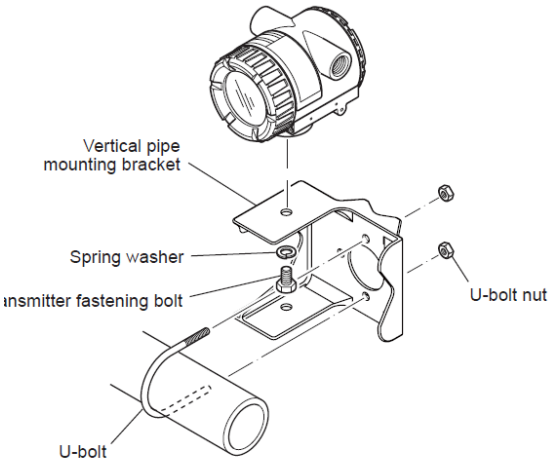
4. Installation

Horizontal Pipe Mounting

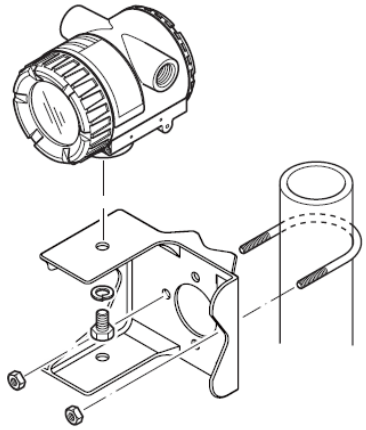
• When using a horizontal pipe mounting bracket



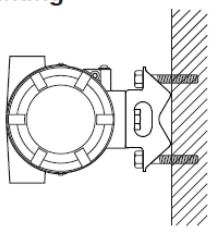
• When using a vertical pipe mounting bracket



Vertical Pipe Mounting



Wall Mounting



Note: Wall mounting bolts are user-supplied.