

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	<p>a) ATEX intrinsically safe approval Note 1. Certification information ①4 - 20mA type / ②Fieldbus type [Intrinsically safe ia] • Enclosure: IP66/IP67</p> <p>[Intrinsically safe ic] • Enclosure: IP66/IP67</p> <p>b) ATEX Flameproof Type and Dust Ignition Proof Type Note 1. Certification information • Degree of protection of enclosure: IP66/IP67</p> <p>Note 3. Operation • To satisfy IP66 or IP67, apply waterproof glands to the electrical connection port.</p>	<p>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</p> <p>[Intrinsically safe ic] • Enclosure: IP66 in accordance with EN IEC60079-0, IP67 in accordance with only IEC60529</p> <p>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</p> <p>Note 3. Operation • To satisfy IP66, apply waterproof glands to the electrical connection port.</p> <p>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.</p>

<p>2.7.2 IECEx Certification (1) Technical Data</p>	<p>a) IECEx intrinsically safe approval Note 1. Certification information ①4 - 20mA type / ②Fieldbus type • Enclosure: IP66/IP67</p> <p>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.</p> <p>b) IECEx Flameproof Type and Dust Ignition Proof Type Note 1. Certification information • Enclosure: IP66/IP67</p> <p>Note 3. Operation • To satisfy IP66 or IP67, apply waterproof glands to the electrical connection port.</p>	<p>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</p> <p>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.</p> <p>b) IECEx Flameproof Type and Dust Ignition Proof Type Note 1. Certification information • Enclosure: IP66 in accordance with IEC60079-0</p> <p>Note 3. Operation • To satisfy IP66, apply waterproof glands to the electrical connection port.</p> <p>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.</p>
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Item (II) NEPSI Certification

Applicable Part	Before change	After change
2. NEPSI Certification (1) Technical Data	<p>a) NEPSI intrinsically safe type Note 1. Certification information ①4 - 20mA type / ②Fieldbus type</p> <ul style="list-style-type: none"> • 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 <p>①4 - 20mA type</p> <ul style="list-style-type: none"> • Type of Protection and Marking code Ex ia IICT4/T5 Ga Ex ic IIC T4/T5 Gc Ex iaD [iaD 20] 21 IP6X T135℃ <p>②Fieldbus type</p> <ul style="list-style-type: none"> • Type of Protection and Marking code Ex iaD [iaD 20] 21 IP6X T1 <p>Note 4. Conditions for safe use</p> <p>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.</p> <p>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.</p> <p><input checked="" type="checkbox"/> Ex ia IIC T4 Ga <input type="checkbox"/> Ex iaD [iaD 20] 21 IP6X T135℃ <input type="checkbox"/> Ex ic IIC T4 Gc</p> <p>b) NEPSI Flameproof Type Note 1. Certification information</p> <ul style="list-style-type: none"> • 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 <p>Note 3. Installation</p> <ul style="list-style-type: none"> • 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. <p><input checked="" type="checkbox"/> Ex d IIC T6/T5 Gb <input type="checkbox"/> Ex tD A21 IP66/IP67 T70℃/T90℃</p>	<p>a) NEPSI intrinsically safe type Note 1. Certification information ①4 - 20mA type / ②Fieldbus type</p> <ul style="list-style-type: none"> • 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 <p>①4 - 20mA type</p> <ul style="list-style-type: none"> • 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 <p>②Fieldbus type</p> <ul style="list-style-type: none"> • Type of Protection and Marking code Ex ia [ia Da] IIIC T135℃ Db <p>Note 4. Conditions for safe use</p> <p>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.</p> <p>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.</p> <p><input checked="" type="checkbox"/> Ex ia IIC T4 Ga <input type="checkbox"/> Ex ia [ia Da] IIIC T135℃ Db <input type="checkbox"/> Ex ic IIC T4 Gc</p> <p>b) NEPSI Flameproof Type Note 1. Certification information</p> <ul style="list-style-type: none"> • 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 <p>Note 3. Installation</p> <ul style="list-style-type: none"> • 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. <p><input checked="" type="checkbox"/> Ex db IIC T5…T6 Gb <input type="checkbox"/> Ex tb IIIC T70℃…T90℃ Db</p>

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

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE 0344

No. KEMA 07ATEX0130X
☐ Ex db IIC T6/T5 Gb
☐ Ex tb IIC T70°C/T90°C Db
 TEMP. CLASS T6/T5
 Tamb (Gas) -40 to +75°C(T6)
 -40 to +80°C(T5)
 (Dust) -30 to +65°C(T70°C)
 -30 to +80°C(T90°C)
 ENCLOSURE: IP66

WARNING
 AFTER DE-ENERGIZING, DELAY
 10 MINUTES BEFORE OPENING.
 WHEN THE AMBIENT TEMP >70°C,
 USE THE HEAT-RESISTING
 CABLES & CABLE GLANDS<90°C.
 POTENTIAL ELECTROSTATIC
 CHARGING HAZARD
 -SEE USER'S MANUAL

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE 0344

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

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE 0344

No. FM16ATEX0019X
☐ I 1 G ☐ Ex ia IIC T5...T4 Ga
☐ I 2 (1) D ☐ Ex ia [ja] IIC T135°C Db IIC: -30 ≤ Ta ≤ 70°C
 Supply/Output: Sensor: Uo=5.0V, Io=90mA, Po=135mW
 Ci=22nF, Li=0mH Co=10μF, Lo=3.9mH

WARNING
 WHEN THE AMBIENT TEMP >68°C,
 USE HEAT-RESISTING CABLES
 AND CABLE GLANDS<75°C.
 POTENTIAL ELECTROSTATIC
 CHARGING HAZARD
 -SEE USER'S MANUAL

No. KEMA 07ATEX0130X
☐ Ex db IIC T6/T5 Gb
☐ Ex tb IIC T70°C/T90°C Db
 TEMP. CLASS T6/T5
 Tamb (Gas) -40 to +75°C(T6), -40 to +80°C(T5)
 (Dust) -30 to +65°C(T70°C), -30 to +80°C(T90°C)
WARNING AFTER DE-ENERGIZING, DELAY 10 MINUTES BEFORE OPENING. WHEN THE
 AMBIENT TEMP >70°C, USE THE HEAT-RESISTING CABLES & CABLE GLANDS<90°C.
 POTENTIAL ELECTROSTATIC CHARGING HAZARD -SEE USER'S MANUAL

ENCLOSURE: IP66
 ENCLOSURE: IP66

F0206.ai

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

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE 0344

No. FM16ATEX0019X
☐ I 1 G ☐ Ex ia IIC T4 Ga
☐ I 2 (1) D ☐ Ex ia [ja] IIC T135°C Db IIC: -30 ≤ Ta ≤ 60°C
 FISCO field device Supply/Output: Uo=30V, Io=300mA, Pi=1.2W, Ci=2.2nF, Li=0mH
 Entity Parameters Sensor: Uo=5.0V, Io=90mA, Po=135mW, Co=10μF, Lo=3.9mH

WARNING
 WHEN THE AMBIENT TEMP >68°C,
 USE HEAT-RESISTING CABLES
 AND CABLE GLANDS<75°C.
 POTENTIAL ELECTROSTATIC
 CHARGING HAZARD
 -SEE USER'S MANUAL

No. KEMA 07ATEX0130X
☐ Ex db IIC T6/T5 Gb
☐ Ex tb IIC T70°C/T90°C Db
 TEMP. CLASS T6/T5
 Tamb (Gas) -40 to +75°C(T6), -40 to +80°C(T5)
 (Dust) -30 to +65°C(T70°C), -30 to +80°C(T90°C)
WARNING AFTER DE-ENERGIZING, DELAY 10 MINUTES BEFORE OPENING. WHEN THE
 AMBIENT TEMP >70°C, USE THE HEAT-RESISTING CABLES & CABLE GLANDS<90°C.
 POTENTIAL ELECTROSTATIC CHARGING HAZARD -SEE USER'S MANUAL

F0207.ai

2.7.2 IECEx Certification

(3) Name Plate

YTA710 /SF2 Flameproof and Dust ignition proof type

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE

No. IECEx KEM 07.0044X
☐ Ex db IIC T6/T5 Gb
☐ Ex tb IIC T70°C/T90°C Db
 TEMP. CLASS T6/T5
 Tamb (Gas) -40 to +75°C(T6)
 -40 to +80°C(T5)
 (Dust) -30 to +65°C(T70°C)
 -30 to +80°C(T90°C)
 ENCLOSURE: IP66

WARNING
 AFTER DE-ENERGIZING, DELAY
 10 MINUTES BEFORE OPENING.
 WHEN THE AMBIENT TEMP >70°C,
 USE THE HEAT-RESISTING
 CABLES & CABLE GLANDS<90°C.
 POTENTIAL ELECTROSTATIC
 CHARGING HAZARD
 -SEE USER'S MANUAL

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE

F0208.ai

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

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE

No. IECEx FMG 16.0014X
☐ Ex ia IIC T5...T4 Ga
☐ Ex ia [ja] IIC T135°C Db
 Supply/Output: Sensor: Uo=6.0V, Io=90mA, Po=135mW
 Ci=22nF, Li=0mH Co=10μF, Lo=3.9mH

WARNING
 WHEN THE AMBIENT TEMP >68°C,
 USE HEAT-RESISTING CABLES
 AND CABLE GLANDS<75°C.
 POTENTIAL ELECTROSTATIC
 CHARGING HAZARD
 -SEE USER'S MANUAL

No. IECEx KEM 07.0044X
☐ Ex db IIC T6/T5 Gb
☐ Ex tb IIC T70°C/T90°C Db
 TEMP. CLASS T6/T5
 Tamb (Gas) -40 to +75°C(T6), -40 to +80°C(T5)
 (Dust) -30 to +65°C(T70°C), -30 to +80°C(T90°C)
WARNING AFTER DE-ENERGIZING, DELAY 10 MINUTES BEFORE OPENING. WHEN THE
 AMBIENT TEMP >70°C, USE THE HEAT-RESISTING CABLES & CABLE GLANDS<90°C.
 POTENTIAL ELECTROSTATIC CHARGING HAZARD -SEE USER'S MANUAL

ENCLOSURE: IP66
 ENCLOSURE: IP66

F0209.ai

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

YTA710		TEMPERATURE TRANSMITTER		NO. OUTPUT	
MODEL	YTA	CAL	RING	CAL	RING
SUFFIX					
STYLE	DC				
SUPPLY					

YOKOGAWA Intrinsic Safety Corporation
Read/Line OIC3050H-01
TOKYO 104-8750 JAPAN

CE

No. IECEx FMG 16.0014X
☐ Ex ia IIC T4 Ga
☐ Ex ia [ja] IIC T135°C Db
 FISCO field device Supply/Output: Uo=30V, Io=300mA, Pi=1.2W, Ci=2.2nF, Li=0mH
 Entity Parameters Sensor: Uo=6.0V, Io=90mA, Po=135mW, Co=10μF, Lo=3.9mH

WARNING
 WHEN THE AMBIENT TEMP >68°C,
 USE HEAT-RESISTING CABLES
 AND CABLE GLANDS<75°C.
 POTENTIAL ELECTROSTATIC
 CHARGING HAZARD
 -SEE USER'S MANUAL

No. IECEx FMG 16.0014X
☐ Ex ic IIC T4 Gc
 FISCO field device Supply/Output: Uo=32V, Ci=2.2nF, Li=0mH
 Entity Parameters Sensor: Uo=6.0V, Io=90mA, Po=135mW, Co=10μF, Lo=3.9mH

ENCLOSURE: IP66
 ENCLOSURE: IP66

No. IECEx KEM 07.0044X
☐ Ex db IIC T6/T5 Gb
☐ Ex tb IIC T70°C/T90°C Db
 TEMP. CLASS T6/T5
 Tamb (Gas) -40 to +75°C(T6), -40 to +80°C(T5)
 (Dust) -30 to +65°C(T70°C), -30 to +80°C(T90°C)
WARNING AFTER DE-ENERGIZING, DELAY 10 MINUTES BEFORE OPENING. WHEN THE
 AMBIENT TEMP >70°C, USE THE HEAT-RESISTING CABLES & CABLE GLANDS<90°C.
 POTENTIAL ELECTROSTATIC CHARGING HAZARD -SEE USER'S MANUAL

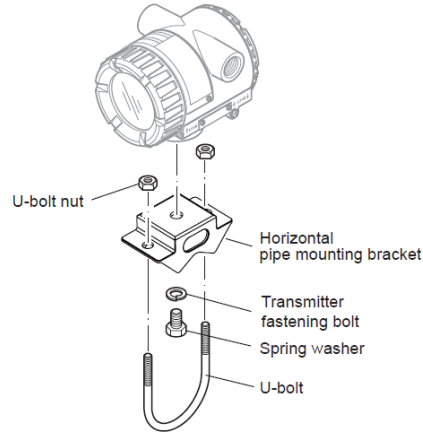
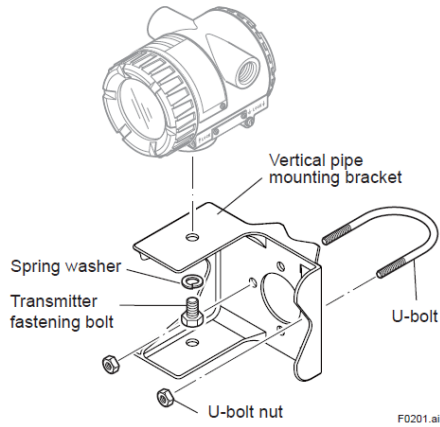
ENCLOSURE: IP66
 ENCLOSURE: IP66

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Item (V) Mounting Bracket

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

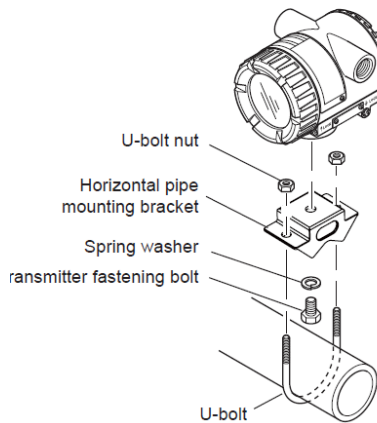
2. Notes on handling



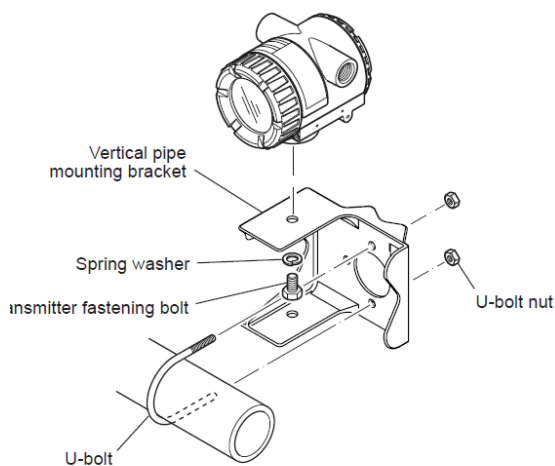
4. Installation

Horizontal Pipe Mounting

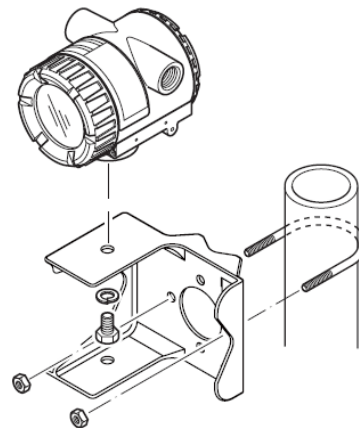
- When using a horizontal pipe mounting bracket



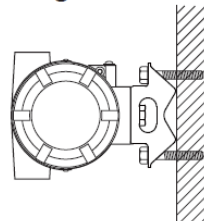
- When using a vertical pipe mounting bracket



Vertical Pipe Mounting



Wall Mounting



Note: Wall mounting bolts are user-supplied.