

Table. Low Pressure Side Wetted Parts Materials

Low pressure side wetted parts material code	Cover flange and process connector	Capsule	Capsule gasket	Drain/Vent plug
S #	ASTM CF-8M *1	Hastelloy C-276 *2 (Diaphragm) F316L SST, 316L SST (Others)	Teflon-coated 316L SST	316 SST

*1: Cast version of 316 SST. Equivalent to SCS14A.

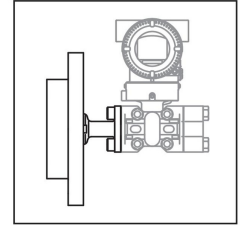
*2: Hastelloy C-276 or ASTM N10276

The '#' marks indicate the construction materials conform to NACE material recommendations per MR0175 (2003). Please refer to latest standards for details.

II. Flange mounting section (Flush type)

● Process flange size: 3-inch (80mm)

EJA210E- [] [] [] [] - [] [] [] [] - W [] 3 [] [] [] [] [] [] - []



F05_1E.ai

Model	Suffix codes	Description
EJA210E	- [] [] [] [] - [] [] [] []	Transmitter body section (I)
Process connection style	-W	Flush type
Flange rating	J1 J2 A1 A2 P1 P2 D2 D4	JIS 10K JIS 20K ANSI class 150 ANSI class 300 JPI class 150 JPI class 300 DIN PN10/16 DIN PN25/40
Flange size	3	3-inch (80mm)
Flange material	A B C	JIS S25C 304 SST *10 316 SST *10
Gasket contact surface*1	1 2	Serration (for ANSI flange with wetted parts material SW only) Flat (no serration)
Wetted parts material (high pressure side)*9	SW HW TW	[Diaphragm] [Others] 316L SST# 316 SST# Hastelloy C-276 *7# Hastelloy C-276 *7# Tantalum *8 Tantalum *8
Flushing connection ring*2	0 A B	[Ring] [Vent/Drain plugs] [Material] None — — Straight type R 1/4 connections *6 316 SST # Straight type 1/4 NPT connections 316 SST #
Extension	0	None
Fill fluid	-A ... -B ... -D ... -P ...	[Process temperature]*3 [Ambient temperature] -A ... For high temperature use (Silicone oil) -10 to 250°C*4*5 -10 to 85°C -B ... For general use (Silicone oil) -40 to 120°C -40 to 85°C -D ... For oil prohibited use (Fluorinated oil)*11 -20 to 120°C -20 to 80°C -P ... For sanitary use (Propylene glycol) -10 to 120°C -10 to 85°C
Option codes		/□ Optional specification

The “►” marks indicate the most typical selection for each specification.

Example: EJA210E-DMS5G-912NN-WA13B1SW00-B/□

*1: See Table 3 ‘Gasket contact surface’ on Page 5.

*2: When specified flushing connection ring code A or B, exclusive gasket is provided for transmitter side.

*3: Indicates the process temperature limit of high pressure side.

The process temperature limit for low pressure side is -40 to 120°C except fill fluid code -D.

*4: The distance ‘S’ is extended in 30mm.

*5: In case of wetted parts material code TW (Tantalum), the process temperature limit is -10 to 200°C.

*6: Not applicable for gasket contact surface code 1.

*7: Hastelloy C-276 or ASTM N10276

*8: Not applicable for flashing connection ring code A and B.

*9: ⚠ Users must consider the characteristics of selected wetted parts material and the influence of process fluids. The use of inappropriate materials can result in the leakage of corrosive process fluids and cause injury to personnel and/or damage to plant facilities. It is also possible that the diaphragm itself can be damaged and that material from the broken diaphragm and the fill fluid can contaminate the user’s process fluids.

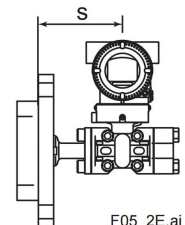
Be very careful with highly corrosive process fluids such as hydrochloric acid, sulfuric acid, hydrogen sulfide, sodium hypochlorite, and high-temperature steam (150°C [302°F] or above). Contact Yokogawa for detailed information of the wetted parts material.

*10: Forged version of the material may be used.

*11: Specify always with option code /K2 or /K6.

The ‘#’ marks indicate the construction materials conform to NACE material recommendations per MR0175 (2003).

Please refer to latest standards for details.

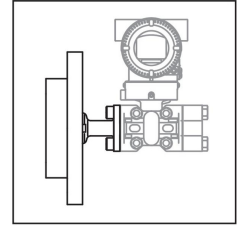


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II. Flange mounting section (Flush type)

● Process flange size: 2-inch (50mm)

EJA210E - - - W 2 -



F06_1E.ai

Model	Suffix codes	Description
EJA210E	- <input type="text"/> - <input type="text"/>	Transmitter body section (I)
Process connection style	-W.....	Flush type
Flange rating	J1 JIS 10K J2 JIS 20K A1 ANSI class 150 A2 ANSI class 300 P1 JPI class 150 P2 JPI class 300 D2 DIN PN10/16 D4 DIN PN25/40	
Flange size	2.....	2-inch (50mm)
Flange material	A JIS S25C B 304 SST *10 C 316 SST *10	
Gasket contact surface*1	1 Serration (for ANSI flange with wetted parts material WW only) 2 Flat (no serration)	
Wetted parts material (high pressure side)*9	WW [Diaphragm] Hastelloy C-276 *7# HW [Others] 316 SST# TW Hastelloy C-276 *7# Tantalum *8	
Flushing connection ring*2	0 [Ring] None A Straight type B Straight type	[Vent/Drain plugs] — R 1/4 connections *6 1/4 NPT connections
Extension	0.....	None
Fill fluid	-A ... For high temperature use (Silicone oil) -B ... For general use (Silicone oil) -D ... For oil prohibited use (Fluorinated oil)*11 -P ... For sanitary use (Propylene glycol)	[Process temperature]*3 [Ambient temperature] -10 to 250°C*4*5 -10 to 85°C -40 to 120°C -40 to 85°C -20 to 120°C -20 to 80°C -10 to 120°C -10 to 85°C
Option codes		/□ Optional specification

The “►” marks indicate the most typical selection for each specification.

Example: EJA210E-DMS5G-912NN-WA12B1WW00-B/□

*1: See Table 3 ‘Gasket contact surface’ on Page 5.

*2: When specified flushing connection ring code A or B, exclusive gasket is provided for transmitter side.

*3: Indicates the process temperature limit of high pressure side.

The process temperature limit for low pressure side is -40 to 120°C except fill fluid code -D.

*4: The distance ‘S’ is extended in 30mm.

*5: In case of wetted parts material code TW (Tantalum), the process temperature limit is -10 to 200°C.

*6: Not applicable for gasket contact surface code 1.

*7: Hastelloy C-276 or ASTM N10276

*8: Not applicable for flashing connection ring code A and B.

*9: ⚠ Users must consider the characteristics of selected wetted parts material and the influence of process fluids. The use of inappropriate materials can result in the leakage of corrosive process fluids and cause injury to personnel and/or damage to plant facilities. It is also possible that the diaphragm itself can be damaged and that material from the broken diaphragm and the fill fluid can contaminate the user’s process fluids.

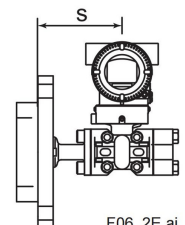
Be very careful with highly corrosive process fluids such as hydrochloric acid, sulfuric acid, hydrogen sulfide, sodium hypochlorite, and high-temperature steam (150°C [302°F] or above). Contact Yokogawa for detailed information of the wetted parts material.

*10: Forged version of the material may be used.

*11: Specify always with option code /K2 or /K6.

The ‘#’ marks indicate the construction materials conform to NACE material recommendations per MR0175 (2003).

Please refer to latest standards for details.

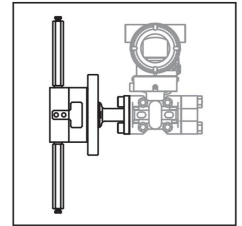


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II. Flange mounting section (Flush type)

● Process flange size: 1 1/2-inch (40mm)

EJA210E - - - W 8 -



F07_1E.ai

Model	Suffix codes	Description
EJA210E	- <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> -W.....	Transmitter body section (I)
Process connection style	-W.....	Flush type
Flange rating	J1 J2 A1 A2 P1 P2	JIS 10K JIS 20K ANSI class 150 ANSI class 300 JPI class 150 JPI class 300
Flange size	8	1 1/2-inch (40mm)
Flange material	▶ A B C	JIS S25C 304 SST *8 316 SST *8
Gasket contact surface*1	1 2	Serration (for ANSI flange only) Flat (no serration)
Wetted parts material (high pressure side)*7	WW.....	[Diaphragm] [Others] Hastelloy C-276 *6# 316 SST#
Flushing connection ring*2	▶ C D	[Ring] [Vent/Drain plugs] [Material] Reducer type R 1/4 connections *5 316 SST # Reducer type 1/4 NPT connections 316 SST #
Extension	0	None
Fill fluid	▶ -A ... -B ... -D ... -P ...	[Process temperature]*3 [Ambient temperature] For high temperature use (Silicone oil) -10 to 250°C*4 -10 to 85°C For general use (Silicone oil) -40 to 120°C -40 to 85°C For oil prohibited use (Fluorinated oil)*9 -20 to 120°C -20 to 80°C For sanitary use (Propylene glycol) -10 to 120°C -10 to 85°C
Option codes		/□ Optional specification

The “▶” marks indicate the most typical selection for each specification.

Example: EJA210E-DMS5G-912NN-WA18B1WWC0-B/□

*1: See Table 3 'Gasket contact surface' on Page 5.

*2: When specified flushing connection ring code C or D, exclusive gasket is provided for transmitter side.

*3: Indicates the process temperature limit of high pressure side.

The process temperature limit for low pressure side is -40 to 120°C except fill fluid code -D.

*4: The distance 'S' is extended in 30mm.

*5: Not applicable for gasket contact surface code 1.

*6: Hastelloy C-276 or ASTM N10276

*7: ⚠ Users must consider the characteristics of selected wetted parts material and the influence of process fluids. The use of inappropriate materials can result in the leakage of corrosive process fluids and cause injury to personnel and/or damage to plant facilities. It is also possible that the diaphragm itself can be damaged and that material from the broken diaphragm and the fill fluid can contaminate the user's process fluids.

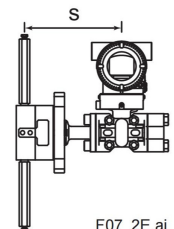
Be very careful with highly corrosive process fluids such as hydrochloric acid, sulfuric acid, hydrogen sulfide, sodium hypochlorite, and high-temperature steam (150°C [302°F] or above). Contact Yokogawa for detailed information of the wetted parts material.

*8: Forged version of the material may be used.

*9: Specify always with option code /K2 or /K6.

The '# marks indicate the construction materials conform to NACE material recommendations per MR0175 (2003).

Please refer to latest standards for details.

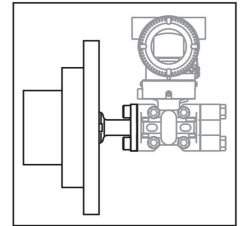


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II. Flange mounting section (Extended type)

● Process flange size: 4-inch (100mm)

EJA210E - - - E 4 -



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Model	Suffix codes	Description
EJA210E	- <input type="text"/> - <input type="text"/>	Transmitter body section (I)
Process connection style	-E	Extended type
Flange rating	J1 JIS 10K J2 JIS 20K A1 ANSI class 150 A2 ANSI class 300 P1 JPI class 150 P2 JPI class 300 D2 DIN PN10/16 D4 DIN PN25/40	
Flange size	4	4-inch (100mm)
Flange material	A JIS S25C B 304 SST *5 C 316 SST *5	
Gasket contact surface*1	1 Serration (for ANSI flange only) 2 Flat (no serration)	
Wetted parts material (high pressure side) *4	SE	[Diaphragm] [Others] [Pipe] 316L SST# 316 SST# 316 SST#
Flushing connection ring	0	None
Extension	1 Length (X2) = 50mm 3 Length (X2) = 100mm 5 Length (X2) = 150mm	
Fill fluid	-A ... For high temperature use (Silicone oil) -B ... For general use (Silicone oil) -D ... For oil prohibited use (Fluorinated oil)*6 -P ... For sanitary use (Propylene glycol)	[Process temperature]*2 [Ambient temperature] -10 to 250°C*3 -10 to 85°C -40 to 120°C -40 to 85°C -20 to 120°C -20 to 80°C -10 to 120°C -10 to 85°C
Option codes		/ <input type="checkbox"/> Optional specification

The “►” marks indicate the most typical selection for each specification.

Example: EJA210E-DMS5G-912NN-EA14B1SE01-B/□

*1: See Table 3 ‘Gasket contact surface’ on Page 5.

*2: Indicates the process temperature limit of high pressure side.

The process temperature limit for low pressure side is -40 to 120°C except fill fluid code -D.

*3: The distance ‘S’ is extended in 30mm.

*4: ⚠ Users must consider the characteristics of selected wetted parts material and the influence of process fluids. The use of inappropriate materials can result in the leakage of corrosive process fluids and cause injury to personnel and/or damage to plant facilities. It is also possible that the diaphragm itself can be damaged and that material from the broken diaphragm and the fill fluid can contaminate the user’s process fluids.

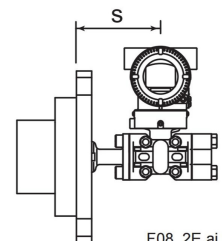
Be very careful with highly corrosive process fluids such as hydrochloric acid, sulfuric acid, hydrogen sulfide, sodium hypochlorite, and high-temperature steam (150°C [302°F] or above). Contact Yokogawa for detailed information of the wetted parts material.

*5: Forged version of the material may be used.

*6: Specify always with option code /K2 or /K6.

The ‘#’ marks indicate the construction materials conform to NACE material recommendations per MR0175 (2003).

Please refer to latest standards for details.



F08_2E.ai

■ OPTIONAL SPECIFICATIONS (For Explosion Protected type) “◇”

For other agency approvals and marine approvals, please refer to GS 01C25A20-01EN.

Item	Description	Code
Factory Mutual (FM)	FM Explosionproof Approval *1 Applicable Standard: FM3600, FM3615, FM3810, ANSI/NEMA 250 Explosionproof for Class I, Division 1, Groups B, C and D, Dust-ignitionproof for Class II/III, Division 1, Groups E, F and G, in Hazardous locations, indoors and outdoors (Enclosure: Type 4X) “FACTORY SEALED, CONDUIT SEAL NOT REQUIRED.” Temperature class: T6, Amb. Temp.: -40 to 60°C (-40 to 140°F)	FF1
	FM Intrinsically safe Approval *1 *3 Applicable Standard: FM3600, FM3610, FM3611, FM3810 Intrinsically Safe for Class I, Division 1, Groups A, B, C & D, Class II, Division 1, Groups E, F & G and Class III, Division 1, Class I, Zone 0, in Hazardous Locations, AEx ia IIC Nonincendive for Class I, Division 2, Groups A, B, C & D, Class II, Division. 2, Groups F & G, Class I, Zone 2, Group IIC, in Hazardous Locations Enclosure: Type 4X, Temp. Class: T4, Amb. Temp.: -60 to 60°C (-75 to 140°F) Intrinsically Safe Apparatus Parameters [Groups A, B, C, D, E, F and G] Vmax=30 V, Imax=200 mA, Pmax=1 W, Ci=6 nF, Li=0 μH [Groups C, D, E, F and G] Vmax=30 V, Imax=225 mA, Pmax=1 W, Ci=6 nF, Li=0 μH	FS1
	Combined FF1 and FS1 *1 *3	FU1
ATEX	ATEX Flameproof Approval *1 *3 Applicable Standard: EN 60079-0:2012+A11:2013, EN 60079-1:2007 (“2014” from August 1, 2017), EN 60079-31:2014 Certificate: KEMA 07ATEX0109 X II 2G, 2D Ex d IIC T6...T4 Gb (“Ex db IIC T6...T4 Gb” from August 1, 2017), Ex tb IIIC T85°C Db Degree of protection: IP66/IP67 Amb. Temp. (Tamb) for gas-proof : T4; -50 to 75°C (-58 to 167°F), T5; -50 to 80°C (-58 to 176°F), T6; -50 to 75°C (-58 to 167°F) Process Temp. for gas-proof (Tp): T4; -50 to 120°C (-58 to 248°F), T5; -50 to 100°C (-58 to 212°F), T6; -50 to 85°C (-58 to 185°F) Max. surface Temp. for dust-proof: T85°C (Tamb: -30 to 75°C, Tp: -30 to 85°C) *2	KF22
	ATEX Intrinsically safe Approval *1 *3 Applicable Standard: EN 60079-0:2012+A11:2013, EN 60079-11:2012 Certificate: DEKRA 11ATEX0228 X II 1G, 2D Ex ia IIC T4 Ga, Ex ia IIIC T85°C T100°C T120°C Db Degree of protection: IP66/IP67 Amb. Temp. (Tamb) for EPL Ga: -50 to 60°C (-58 to 140°F) Maximum Process Temp. (Tp) for EPL Ga: 120°C Electrical data: Ui=30 V, Ii=200 mA, Pi=0.9 W, Ci=27.6 nF, Li=0 μH Amb. Temp. for EPL Db: -30 to 60°C *2 Max. surface Temp. for EPL Db: T85°C (Tp: 80°C), T100°C (Tp: 100°C), T120°C (Tp: 120°C)	KS21
	Combined KF22, KS21 and ATEX Intrinsically safe Ex ic *1 *3 [ATEX Intrinsically safe Ex ic] Applicable Standard: EN 60079-0:2012+A11:2013, EN 60079-11:2012 II 3G Ex ic IIC T4 Gc, Amb. Temp.: -30 to 60°C (-22 to 140°F) *2 Ui=30 V, Ci=27.6 nF, Li=0 μH	KU22

<p>Canadian Standards Association (CSA)</p>	<p>CSA Explosionproof Approval *1 Certificate: 2014354 Applicable Standard: C22.2 No.0, C22.2 No.0.4, C22.2 No.0.5, C22.2 No.25, C22.2 No.30, C22.2 No.94, C22.2 No.60079-0, C22.2 No.60079-1, C22.2 No.61010-1, C22.2 No.61010-2-030 Explosion-proof for Class I, Groups B, C and D. Dustignition-proof for Class II/III, Groups E, F and G. When installed in Division 2, "SEAL NOT REQUIRED" Enclosure: Type 4X, Temp. Code: T6...T4 Ex d IIC T6...T4 Enclosure: IP66/IP67 Max.Process Temp.: T4;120°C(248°F), T5;100°C(212°F), T6; 85°C(185°F) Amb.Temp.: -50 to 75°C(-58 to 167°F) for T4, -50 to 80°C(-58 to 176°F) for T5, -50 to 75°C(-58 to 167°F) for T6 *2 Process Sealing Certification Dual Seal Certified by CSA to the requirement of ANSI/ISA 12.27.01 No additional sealing required Primary seal failure annunciation: at the zero adjustment screw</p>	<p>CF1</p>
	<p>CSA Intrinsically safe Approval *1*3 Certificate: 1606623 [For CSA C22.2] Applicable Standard: C22.2 No.0, C22.2 No.0.4, C22.2 No.25, C22.2 No.94, C22.2 No.157, C22.2 No.213, C22.2 No.61010-1, C22.2 No.60079-0, C22.2 No.61010-2-030 Intrinsically Safe for Class I, Division 1, Groups A, B, C & D, Class II, Division 1, Groups E, F & G, Class III, Division 1, Nonincendive for Class I, Division 2, Groups A, B, C & D, Class II, Division 2, Groups F & G, Class III, Division 1 Enclosure: Type 4X, Temp. Code: T4 Amb. Temp.: -50 to 60°C(-58 to 140°F) *2 Electrical Parameters: [Intrinsically Safe] Vmax=30V, Imax=200mA, Pmax=0.9W, Ci=10nF, Li=0 µH [Nonincendive] Vmax=30V, Ci=10nF, Li=0 µH [For CSA E60079] Applicable Standard: CAN/CSA E60079-11, CAN/CSA E60079-15, IEC 60529:2001 Ex ia IIC T4, Ex nL IIC T4 Enclosure: IP66/IP67 Amb. Temp.: -50 to 60°C(-58 to 140°F) *2, Max. Process Temp.: 120°C(248°F) Electrical Parameters: [Ex ia] Ui=30V, li=200mA, Pi=0.9W, Ci=10nF, Li=0 µH [Ex nL] Ui=30V, Ci=10nF, Li=0 µH Process Sealing Certification Dual Seal Certified by CSA to the requirement of ANSI/ISA 12.27.01 No additional sealing required Primary seal failure annunciation: at the zero adjustment screw</p>	<p>CS1</p>
	<p>Combined CF1 and CS1 *1*3</p>	<p>CU1</p>
<p>IECEX</p>	<p>IECEX Flameproof Approval *1 Applicable Standard: IEC 60079-0:2011, IEC60079-1:2007-4 Certificate: IECEX CSA 07.0008 Flameproof for Zone 1, Ex d IIC T6...T4 Gb Enclosure: IP66/IP67 Max.Process Temp.: T4;120°C(248°F), T5;100°C(212°F), T6; 85°C(185°F) Amb.Temp.: -50 to 75°C(-58 to 167°F) for T4, -50 to 80°C(-58 to 176°F) for T5, -50 to 75°C(-58 to 167°F) for T6</p>	<p>SF2</p>
	<p>IECEX Intrinsically safe and Flameproof Approval *1*3 Intrinsically safe Ex ia Certificate: IECEX DEK 11.0081X Applicable Standard: IEC 60079-0:2011, IEC 60079-11:2011 Ex ia IIC T4 Ga Enclosure: IP66/IP67 Amb. Temp.: -50 to 60 °C(-58 to 140 °F), Max. Process Temp.: 120 °C(248 °F) Electrical Parameters: Ui=30 V, li=200 mA, Pi=0.9 W, Ci=27.6 nF, Li=0 µH Intrinsically safe Ex ic Certificate: IECEX DEK 13.0061X Applicable Standard: IEC 60079-0:2011, IEC 60079-11:2011 Ex ic IIC T4 Gc IP code: IP66 Amb. Temp.: -30 to 60°C(-22 to 140°F) *2, Max. Process Temp.: 120°C(248°F) Electrical Parameters: Ui=30V,Ci=27.6 nF, Li=0 µH Flameproof Certificate: IECEX CSA 07.0008 Applicable Standard: IEC 60079-0:2011, IEC60079-1:2007-4 Flameproof for Zone 1, Ex d IIC T6...T4 Gb Enclosure: IP66/IP67 Max.Process Temp.: T4;120°C(248°F), T5;100°C(212°F), T6; 85°C(185°F) Amb.Temp.: -50 to 75°C(-58 to 167°F) for T4, -50 to 80°C(-58 to 176°F) for T5, -50 to 75°C(-58 to 167°F) for T6</p>	<p>SU21</p>

*1: Applicable for Electrical connection code 2, 4, 7, 9, C and D.
*2: Lower limit of ambient temperature is -15°C (5°F) when /HE is specified.
*3: Not applicable for output signal code Q.

■ OPTIONAL SPECIFICATIONS

Item		Description	Code		
Painting	Color change	Amplifier cover only *1	P□		
		Amplifier cover and terminal cover, Munsell 7.5 R4/14	PR		
	Coating change	Anti-corrosion coating *2	X2		
316 SST exterior parts		316 SST zero-adjustment screw and setscrews *3	HC		
Fluoro-rubber O-ring		All O-rings of amplifier housing. Lower limit of ambient temperature: -15°C (5°F)	HE		
Lightning protector		Transmitter power supply voltage: 10.5 to 32 V DC (10.5 to 30 V DC for intrinsically safe type.) Allowable current: Max. 6000 A (1×40 μs), Repeating 1000 A (1×40 μs) 100 times Applicable Standards: IEC 61000-4-4, IEC 61000-4-5	A		
Oil-prohibited use		Degrease cleansing treatment	K1		
		Degrease cleansing with fluorinated oil filled capsule. *4 Operating temperature -20 to 80°C	K2		
Oil-prohibited use with dehydrating treatment		Degrease cleansing and dehydrating treatment	K5		
		Degrease cleansing and dehydrating treatment with fluorinated oil filled capsule. *4 Operating temperature -20 to 80°C	K6		
Calibration units *5		P calibration (psi unit)	(See Table for Span and Range Limits.)	D1	
		bar calibration (bar unit)		D3	
		M calibration (kgf/cm ² unit)		D4	
Teflon film *6 *7		Diaphragm protection from sticky process fluid by FEP Teflon film attached with fluorinated oil. Operation range: 20 to 150°C, 0 to 2 MPa (Not applicable for vacuum service).	TF1		
Output limits and failure operation *8		Failure alarm down-scale: Output status at CPU failure and hardware error is -5%, 3.2mA DC or less for 4 to 20 mA output type, and -5%, 0.8V DC or less for 1 to 5 V output type.	C1		
		NAMUR NE43 Compliant Output signal limits: 3.8 mA to 20.5 mA *18	Failure alarm down-scale: Output status at CPU failure and hardware error is -5%, 3.2 mA DC or less.	C2	
			Failure alarm up-scale: Output status at CPU failure and hardware error is 110%, 21.6 mA or more.	C3	
Gold-plated diaphragm *9		Inside of isolating diaphragms (fill fluid side) are gold plated, effective for hydrogen permeation.	A1		
Wired tag plate		316 SST tag plate wired onto transmitter	N4		
Data configuration at factory *10		Data configuration for HART communication type	Software damping, Descriptor, Message	CA	
		Data configuration for BRAIN communication type	Software damping	CB	
Material certificate	For Flush type	High Pressure side: Process flange, Block *11 Low Pressure side: Cover flange	M0W		
		High Pressure side: Process flange, Block *12 Low Pressure side: Cover flange, Process connector	M1W		
		High Pressure side: Process flange, Block, Ring *11 *13 Low Pressure side: Cover flange	M3W		
		High Pressure side: Process flange, Block, Ring *12 *13 Low Pressure side: Cover flange, Process connector	M4W		
	For Extended type	High Pressure side: Process flange, Block, Pipe, Base *11 Low Pressure side: Cover flange	M0E		
		High Pressure side: Process flange, Block, Pipe, Base *12 Low Pressure side: Cover flange, Process connector	M1E		
Pressure test/ Leak test certificate *14*15		[Flange rating]	[Test pressure]		
		JIS 10K	2 MPa (290 psi)	Nitrogen (N ₂) Gas *17 Retention time: one minute	T51
		JIS 20K	5 MPa (720 psi)		T54
		ANSI/JPI Class 150	3 MPa (430 psi)		T52
		ANSI/JPI Class 300	8 MPa (1160 psi) *6		T56
		ANSI/JPI Class 300	7 MPa (1000 psi) *16		T55

- *1: Not applicable for amplifier housing code 2 and 3.
- *2: Not applicable with color change option. Not applicable for amplifier housing code 2.
- *3: 316 or 316L SST. The specification is included in amplifier code 2.
- *4: Applicable only when fill fluid code -D is specified.
- *5: The unit of MWP (Max. working pressure) on the name plate of a housing is the same unit as specified by option code D1, D3, and D4.
- *6: Applicable for flush type (process connection style code W.)
- *7: Applicable for flushing connection ring code 0.
- *8: Applicable for output signal code D and J. The hardware error indicates faulty amplifier or capsule.
- *9: Applicable for wetted parts material code SW, SE, WW, WE, and HW.
Consult Yokogawa in case gold-plated diaphragm is required for low pressure side.
- *10: Also see 'Ordering Information.'
- *11: Applicable for Low Pressure Side Process connection code 0 and 5.
- *12: Applicable for Low Pressure Side Process connection code 1, 2, 3, and 4.
- *13: Applicable for flushing connection ring code A, B, C, and D.
- *14: The unit on the certificate is always MPa regardless of selection of option code D1, D3, or D4.
- *15: A flushing connection ring will not be applied when conducting the pressure test or leak test.
- *16: Applicable for extended type (process connection style code E.)
- *17: Pure nitrogen gas is used for oil-prohibited use (option code K1, K2, K5, and K6.)
- *18: The 1 to 5 V voltage output corresponding to 4 to 20 mA current output is applied to output signal code Q which is non-compliant to NAMUR NE43.



Indicator with LPS



Basic Indicator



No Indicator

Local Display



Standard

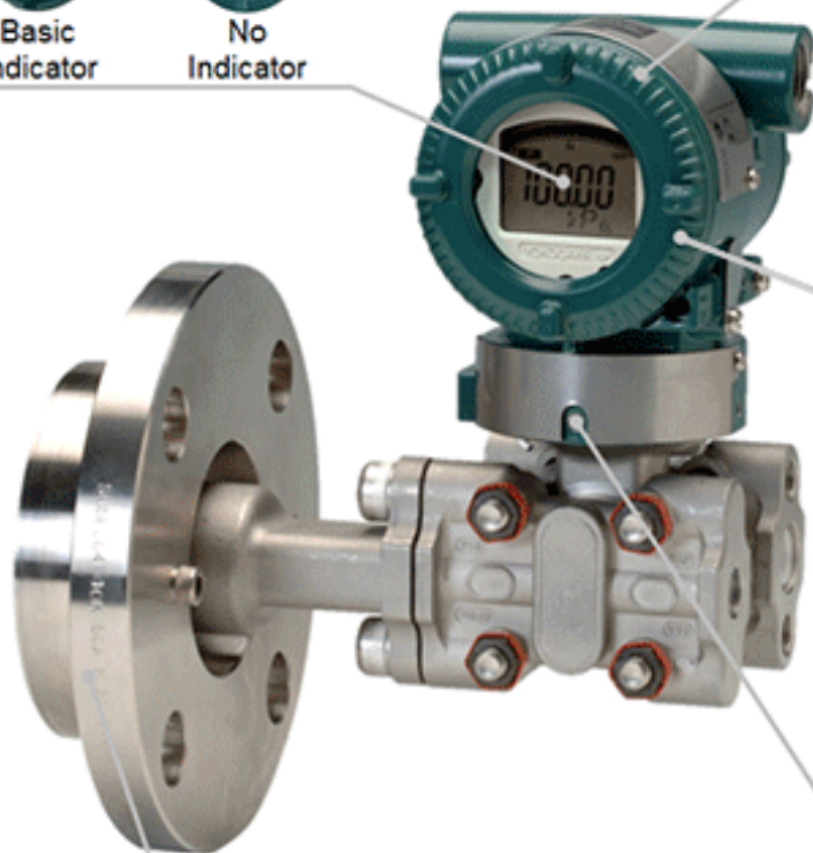


Ultra-low Copper



Stainless Steel

Amplifier Housing



4 to 20mA

1 to 5VDC (Low Power)

Output Signal

BRAIN

HART
COMMUNICATION PROTOCOL



Digital Communication



Product Certification

DPharp **EJA**[®]



Flush Type



Extended Type

Process Connection

EJA210E Overview

Refer to the General Specification sheet located under the 'Downloads' tab for detailed specifications.

Measurement Types	
Primary Variable	Liquid Level (Differential Pressure)
Secondary Variable	Static Pressure
Reference Accuracy	
Primary Variable	±0.075% of Span
Secondary Variable	±0.5% of Span
Response Time	
Primary Variable	120 msec
Secondary Variable	360 msec
Long Term Stability	
Primary Variable	±0.1% of URL per 12 months (DP)
Rangeability	
Primary Variable	100:1
Specification Conformance	
EJA-E Series	±3σ