



Hygienic
Sensor

All of our sensors are structured without stagnant liquid or air. This structure has essential cleaning ability for sanitary lines.

► SQPGH type sanitary pressure gauge (with heat radiation pipe)

- **Material**
 - Standard: SUS304, SUS316L
- **Pressure gauge specifications**
 - Range: -0.1 to 1MPa
 - Display diameter: φ75 (φ100)
 - Maximum usable temperature: 150°C
 - Option: Sealing liquid Propylene glycol
 - Manufacturer: Ebara Gauge Mfg. Co. Ltd.
- **Manufacturable size**
 - 10A to 6S

► SQPG type sanitary pressure gauge

- **Material**
 - Standard: SUS304, SUS316L
- **Pressure gauge specifications**
 - Range: -0.1 to 1MPa
 - Display diameter: φ75 (φ100)
 - Maximum usable temperature: 70°C
 - Option: Sealing liquid Propylene glycol
 - Manufacturer: Ebara Gauge Mfg. Co. Ltd.
- **Manufacturable size**
 - 10A to 6S

► SQPG type sanitary pressure gauge with contact

- **Material**
 - Standard: SUS304, SUS316L
- **Specifications for pressure gauge with contact**
 - Range: -0.1 to 1MPa (-1 to 20kg/cm²)
 - Display diameter: φ75 (φ100)
 - Contacts: Upper limit, lower limit or upper/lower limit
 - Switch: Photoelectric switch
 - Maximum usable temperature: 70°C
 - Option: Sealing liquid Propylene glycol
 - Manufacturer: Ebara Gauge Mfg. Co. Ltd.
- **Manufacturable size**
 - 1S to 6S

► SQPGH type sanitary pressure gauge with contact (with heat radiation pipe)

- **Material**
 - Standard: SUS304, SUS316L
- **Specifications for pressure gauge with contact**
 - Range: -0.1 to 1MPa
 - Display diameter: φ75 (φ100)
 - Contacts: Upper limit, lower limit or upper/lower limit
 - Switch: Photoelectric switch
 - Maximum usable temperature: 150°C
 - Option: Sealing liquid Propylene glycol
 - Manufacturer: Ebara Gauge Mfg. Co. Ltd.
- **Manufacturable size**
 - 1S to 6S

► SQEJA type sanitary pressure transmitter

- **Material**
 - Standard: SUS304, SUS316L
- **Specifications for pressure transmitter**
 - Measurement range: -0.1 to 1 MPa (variable range)
 - Measurement span: 0.1 to 1 MPa
 - Output signal: 4 to 20mA DC 2-wire type
 - Power voltage: 10.5 to 42VDC
 - Accuracy: ±0.2% (High-precision specification)
 - Ambient temperature: -10 to 60°C
 - Temperature of wetted area: -10 to 120°C (150°C/30 min.)
 - Ambient humidity: 5 to 100%RH (at 40°C)
 - Manufacturer: Yokogawa Electric Corporation
 - For other specifications, please consult us.
- **Manufacturable size**
 - 10A to 6S

► SQTE type sanitary temperature sensor

- **Material**
 - Standard: SUS304
SUS316L
- **Sensor specifications**
 - Reference resistance value: Pt100Ω at 0°C (JISC 1604)
 - Specified current: 2mA/5mA
 - Number of elements: Single/double
 - Class: A/B
 - Manufacturer: Okazaki Manufacturing Company
- **Manufacturable size**
 - 10A to 6S

► SQTG type sanitary thermometer with contact

- **Material**
 - Standard: SUS304
SUS316L
- **Specifications for thermometer with contact**
 - Range: 0 to 150°C
 - Display diameter: φ75 (φ100)
 - Contacts: Upper limit, lower limit or upper/lower limit
 - Switch: Microswitch type
 - Manufacturer: Ebara Gauge Mfg. Co. Ltd.
- **Manufacturable size**
 - 1S to 6S

► SQLE type sanitary conductivity level sensor

- **Material**
 - Standard: SUS304
SUS316L
- **Manufacturable size**
 - 1 1/2S to 6S

► SQCE type sanitary conductivity sensor

- **Material**
 - Standard: SUS304
SUS316L
- **Manufacturable size**
 - 1 1/2S to 6S

SIZE	A ^{Note)}	D	d	C	F	G	I	J	K	M	H1	H2	H3	H4	H5	H6	H7
10A	80	17.3	14.0					76	25			140	143	212	209		173
15A	80	21.7	18.4					76	25			142	145	214	211		175
1S	80	25.4	23.0	20				76	25	4.8	185	144	148	217	213	181	178
1 1/2S	100	38.1	35.7	35	30.85	125	154	105	40	4.8	191	150	154	223	219	187	187
2S	120	50.8	47.8	35	36.9	131	160	105	40	4.8	197	156	160	229	225	193	193
2 1/2S	125	63.5	59.5	35	42.75	137	166	121	50	4.8	203	162	166	235	231	199	199
3S	140	76.3	72.3	50	49.15	144	173	135	50	4.8	209	169	172	241	238	205	205
4S	160	101.6	97.6	50	61.8	156	185	157.5	50	4.8	222	181	185	254	250	218	218
5S	200	139.8	133.8	75	84.9	174	203	196.5	92	6.4	240	199	203	272	268	236	241
6S	220	165.2	159.2	75	97.6	187	216	196.5	92	6.4	253	212	216	285	281	249	254

Note) ● When tube end is male, nut, clamp (1S~4S), and sanitary flange (1S~6S).
● In the case of 10A to 15A, only clamp end is applicable as tube end.

Sanitary sensor symbol table

Name	JIS material classification	Finish classification	Pipe end classification X	Size classification X	Product name/type
Symbol					

①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬

① Material classification

Symbol	Material		
	Main body metal part	Body packing	Sight glass O-ring
304	SUS 304 (or equivalent)	SE72 silicone rubber	NBR
304-E9	SUS 304 (or equivalent)	E81 EPDM	EPDM
304-F	SUS 304 (or equivalent)	F8 fluororubber	FKM fluororubber
316L	SUS 316L (or equivalent)	SE72 silicone rubber	NBR
316L-E9	SUS 316L (or equivalent)	E81 EPDM	EPDM
316L-F	SUS 316L (or equivalent)	F8 fluororubber	FKM fluororubber

② Finish classification (valve main body)

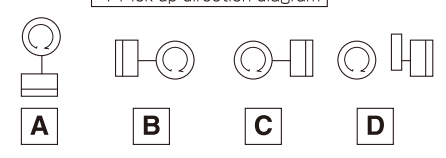
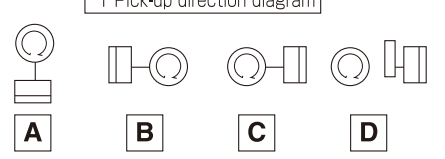
Symbol	Finish	
	Internal finish	External finish
0P	Pickling	Pickling or beads shot blast
1P	#320 to #400 buff polished finish	Pickling or beads shot blast
2P	#320 to #400 buff polished finish	#180 Hairline finish
EP (1P)	Electrolytic polishing finish	Pickling or beads shot blast
EP (2P)	Electrolytic polishing finish	#180 Hairline finish
XP	Other	Other

③ Shaft surface specifications

Symbol	Details
M	ISO male
C	ISO clamp
T	Sanitary flange
R	Sanitary flange (loose)
N	ISO nut
W	Weld
5F	JIS 5K flange
10F	JIS 10K flange
X	Other

④ Size classification

Symbol	Details
03	10A
04	15A
10	1S
15	1½S
20	2S
25	2½S
30	3S
40	4S
50	5S
60	6S

⑤ to ⑬ Product/type		⑥ ~ ⑬																				
⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳							
Symbol	Details		Heat radiation pipe		Contact		Display diameter		Pick-up method		Sealing liquid		Pulsation-preventing liquid		Range lower limit		Range upper limit					
	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details				
SQPG	Sanitary SQ type pressure gauge	O	None	O	None	S	φ 75	A	Front	P	Propylene glycol	O	None	V	-0.1MPa	0	0.0MPa					
		H	Provided	A	2-contact Photoelectric switch	L	φ 100	B	Left	S	Silicone oil	G	Glycerin	<input type="checkbox"/>	-10MPa	<input type="checkbox"/>	<input type="checkbox"/>	□/10MPa				
				B		Upper-limit contact			C	Right	D	Distilled water	S	Silicone oil	(Ex) 0	Indicates 0.0MPa	(Ex) 1	Indicates 0.1MPa				
				C	Lower-limit contact			D	Vertical	E	Other									T	1MPa	
				D	2-contact Microswitch																	
				E		Upper-limit contact																
				F	Lower-limit contact																	
				G	2-contact Contact type																	
				H		Upper-limit contact																
				I		Lower-limit contact																
		*1 Pick-up direction diagram 																				
SSEJA	Sanitary SQ type pressure transmitter	Measurement range																				
		Symbol		Details																		
		—○/□		—○ MPa ~ □ MPa																		
		○/□		○ MPa ~ □ MPa																		
(Ex) —0.1/1.0		Indicates -0.1 MPa to 1.0MPa																				
SQTG	Sanitary SQ type thermometer	Contact		Display diameter:		Pick-up method		Sealing liquid		Range lower limit		Range upper limit										
		Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details	Symbol	Details									
		O	None	S	φ 75	A	Front	N	Nitrogen	<input type="checkbox"/>	-10×□°C	<input type="checkbox"/>	10×□□°C									
		A	2-contact Photoelectric switch	L	φ 100	B	Left			<input type="checkbox"/>	10×□°C											
		B		Upper-limit contact		C	Right	(Ex) —1	Indicates -10°C	(Ex) 10	Indicates 100°C											
		C	Lower-limit contact	D	Vertical	(Ex) 00	Indicates 0°C	(Ex) 15	Indicates 150°C													
		D	2-contact Microswitch	E	Other																	
		E		Upper-limit contact																		
		F	Lower-limit contact																			
		G	2-contact Contact type																			
H	Upper-limit contact																					
I	Lower-limit contact																					
		*1 Pick-up direction diagram 																				
SQTE	Sanitary SQ type temperature sensor	Number of elements		With/without sight glass																		
		Symbol	Details	Symbol	Details																	
		W	Double	—00 or blank	None																	
		S	Single	—SG	With sight glass																	
SQCE	Sanitary SQ type conductivity sensor	Sensor specifications																				
		Symbol								Details												
		○○○...								In ○○○ at left, enter the sensor type.												
SQLE	Sanitary SQ type conductivity level sensor	Sensor specifications																				
		Symbol								Details												
		○○○...								In ○○○ at left, enter the sensor type.												

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