[3-Color Display] Digital Gap Checker

Without Control Unit (CA ROHS





ISA3 Series

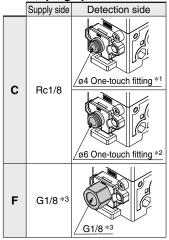
How to Order

ISA3-GCN-M2

Rated distance range

F	0.01 to 0.03 mm
G	0.02 to 0.15 mm
Н	0.05 to 0.30 mm

Piping specifications •



- *1 When F is selected for the rated distance range
- When G or H is selected for the rated distance range

Refer to page 21 for details. *5 At the factory, the options are not attached to the product, but packed together with it for shipment. *6 Cables are provided for the number

of stations.

*3 Conforming to ISO 1179-1

Output specifications •

N NPN 1 outp		NPN 1 output	
	Р	PNP 1 output	
	A *11	iti it z oatpato	
	B *11	PNP 2 outputs	

*11 2 switch outputs type OUT1: Gap size detection OUT2: Gap size, outlet pressure, supply pressure detection (Select from the above.)

Unit specifications of ● pressure value

Nil	With unit conversion function *9
M	Fixed SI unit *10

*9 Under the New Measurement Act, digital gap checkers with the unit conversion function are not permitted for use in Japan.

*10 Unit: kPa

Stations •

1_	1 station		
2	2 stations		
3	3 stations		
4	4 stations		
5	5 stations		
6	6 stations		

Option 1 (Cable)

Straight *5 *6 Centralized lead wire (Lead wire only) *4 *5 Nil S Right angle *5 *6 Centralized lead wire None (With bracket) *4 *5 *4 Cannot be selected for 1 station One set is provided per manifold. A centralized lead wire is provided with M12 connectors for the number of stations.

Т

Made to Order

(Refer to page 22-2.)

-X219 Cable in-line entry

Option 2 (Bracket)

p (
Nil	None	
	(DIN rail mounting) *7	
	With bracket *5 *8	
В		

- *7 Order DIN rail separately. (Refer to page 17.)
- About the number of brackets, 1 station: 1 piece is packed, 2 stations or more: 2 pieces are packed.

Bracket mounting position

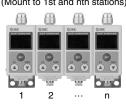
2 stations

(Mount to 1st and 2nd stations)



n stations

(Mount to 1st and nth stations)





3-Color Display Digital Gap Checker (E UK

With Control Unit

ISA3 Series





How to Order

ISA3-GCN-M2

Rated distance range •

	<u> </u>
F	0.01 to 0.03 mm
G	0.02 to 0.15 mm
Н	0.05 to 0.30 mm

Piping specifications

	<u> </u>	
	Supply side	Detection side
С	Rc1/8	ø4 One-touch fitting *1
F	G1/8* ³	G1/8*3

- *1 When F is selected for the rated distance range
- *2 When G or H is selected for the rated distance range
- *3 Conforming to ISO 1179-1

*6 Cables are provided for the number of stations.

Output specifications

N	NPN 1 output
Р	PNP 1 output
A *14	NPN 2 outputs
B *14	PNP 2 outputs

*14 2 switch outputs type OUT1: Gap size detection OUT2: Gap size, outlet pressure, supply pressure detection (Select from the above.)

Unit specifications of pressure value

Nil	With unit conversion function *12
M	Fixed SI unit *13

*12 Under the New Measurement Act, digital gap checkers with the unit conversion function are not permitted for use in Japan.

*13 Unit: kPa

Stations •

1	1 station
2	2 stations
3	3 stations
4	4 stations
5	5 stations
6	6 stations

Option 1 (Cable)

Nil	Straight *5 *6	s	Centralized lead wire (Lead wire only) *4 *5	
L	Right angle *5 *6	J		
One A cel provi for th Refe 5 At th not a pack	N None Cannot be selected for 1 station One set is provided per manifold. A centralized lead wire is provided with M12 connectors for the number of stations. Refer to page 21 for details. At the factory, the options are not attached to the product, but packed together with it for shipment.		Centralized lead wire (With bracket) *4 *5	

Made to Order

(Refer to page 22-1 and 22-2.)

-X169	Without 2-port solenoid valve (Control unit)
-X219	Cable in-line entry

2-port solenoid valve rated voltage

Nil	24 VDC
1 *11	100 VAC
2 *11	110 VAC

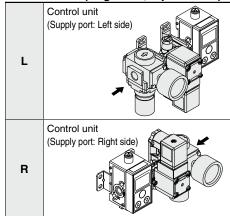
*11 Produced upon receipt of order

Regulator (Refer to page 18.)

	,	minion (more) to pugo ros)						
N *10		Without regulator						
0*10		Without	pressur	e gauge				
1		Round type pressure gauge	0.4 MPa					
2	ţ	Square type pressure gauge	U.4 IVIPa	MPa single				
3	regulator	Round type pressure gauge	0.2 MPa	notation				
4	leg	Square type pressure gauge	U.Z IVIPa					
5 *10	呈	Round type pressure gauge	0.4 MPa	MPa-psi double notation				
6*10	⋛	Round type pressure gauge Square type pressure gauge	U.4 IVIPa	psi single notation				
7 *10		Round type pressure gauge	0.2 MPa	MPa-psi double notation				
8 *10		Square type pressure gauge	U.Z IVIPa	psi single notation				

*10 Produced upon receipt of order

◆Control unit (Regulator, 2-port valve)

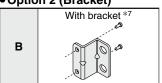


Control unit piping specifications *8

Gap checker piping specifications	Supply port piping specifications
С	Rc1/4
F	G1/4 *9

- *8 When the control unit is mounted, the piping specifications of the supply port will be changed due to piping specification of the gap checker.
- *9 Conforming to ISO 16030

Option 2 (Bracket)



*7 The bracket for control unit is shipped mounted on the product.

Specifications

For gap checker precautions and specific product precautions, refer to the "Operation Manual" on the SMC website. Click here for details.

Model			ISA3-F ISA3-G ISA3-H					
Applicable flu				Dry air (Filtered through a 5 μm filte	r)			
	lated distar		0.01 to 0.03 mm 0.02 to 0.15 mm 0.05 to 0.30					
Di	isplayable/Settal	ole range (Distance reference) *1	0 to 60 *2	10 to 300 *2	30 to 500 *2			
		resolution (Distance reference) *1		1				
OUT1 R	lated press	ure range		100 to 200 kPa				
OUT2 *5 D	isplayable ra	ange (Pressure value) *3		-20 to 220 kPa				
R	Repeatabilit	V	0.005 mm or less					
Te	emperature cha	racteristics (Reference: 25°C)	0.010 mm or less	0.015 mm or less	0.030 mm or less			
Н	lysteresis	, ,	0 to variable (Default: 3) 0 to variable (Default: 20)					
Rated pressure range			0 to 200 kPa					
S	et pressure	e range		-20 to 220 kPa				
OUT2 *6	linimum dis	play/setting resolution		1 kPa				
	epeatabilit			±0.5% F.S. ±1 digit				
Te	emperature cha	racteristics (Reference: 25°C)		±2% F.S.				
Н	lysteresis			0 to variable *7				
Withstand pre				600 kPa				
Detection noz				ø1.5 * ⁴				
Consumption			5 L/min or less	12 L/min or less	22 L/min or less			
Power supply				(p-p) 10% or less (With power sup				
Current consumption			2: 120 = 10 /0; 1pp.10	25 mA or less	pry peranty protection,			
Switch output			1 outpi	ut (NPN or PNP), 2 outputs (NPN o	or PNP)			
Maximum load current				10 mA	,			
Maximum applied voltage Residual voltage Short-circuit protection			26.4 V					
			1 V or less (at 10 mA)					
				Provided				
Short-circuit protection				2-screen display, LCD				
Display			Main scree	en: 3-digit, 7-segment, 2-color (Ora	nge/Green)			
Display			Sub scree	n: 6-digit, 7-segment, 1-color (Whit	e)			
Enclosure			245 20.00	IP67 equivalent *8	<u> </u>			
	Onor	ating temperature range	Operating: 0 to 50°		nsation or freezing)			
Environmenta		rating humidity range						
resistance		stand voltage	1000 VAC or more (in 50/60 Hz) for 1 minute between terminals and housing					
		lation resistance	2 MΩ or more (500 VDC measured via megohmmeter) between terminals and housing					
	1	Supply port	2 10122 01 111010 (000 VD01	Rc1/8	cerr terminals and nedsing			
Piping For C typ		Detection port	ø4 One-touch fitting		ouch fitting			
specifications	iti ti Cumply nort		94 One-toden numg	G1/8 (Compliant with ISO 1179-1)				
specifications	For F typ	Detection port	G1/8 (Compliant with ISO 1179-1)					
			M12 lead wire with 4 pin connector, 4 cores, ø4, 5 m					
	Lead wire	e with connector	Conductor O.D.: 0.72 mm, Insulator O.D.: 1.14 mm					
		M12 lead wire with	,					
	4 pin connector section		4 cores, ø4, Insulator O.D.: 1.14 mm					
Cable		4 pili connector section	0.4.	0 -1-1: (111) 51	F			
Cable	Centraliz	ed		o 3 stations (1 output) 5 cores, ø4, g 3 stations (2 outputs) 8 cores, ø6,				
	lead wire			o 6 stations (2 outputs) 8 cores, Ø6, o 6 stations (1 output) 8 cores, Ø6,				
		lead wire section		6 stations (1 output) 8 cores, ø6, 6 stations (2 outputs) 14 cores, ø6,				
			Conductor O.D.: 0.50	o stations (2 outputs) 14 cores, 95 mm. Inculator O.D : 1.00 mm /2 t/	, ວ ເເເ ດ 6 stations common)			
Wainb	1		Conductor O.D.: 0.50 mm, Insulator O.D.: 1.00 mm (2 to 6 stations common)					
Weight			113 g (Cable not included, One-touch fitting)					
Standards			CE/UKCA marking					

- *1 For details, refer to the Relationship Between Displayed Value and Distance on page 14.

 *2 If hysteresis is set to 3 (Default setting), the "Displayable/Settable range"
- of the F type is limited to 57. If hysteresis is set to 20 (Default setting), the G type is limited to 280 and the H type is limited to 480.
- *3 The pressure value will be the indicated on the sub screen.
- *4 For details on the detection nozzle, refer to the figures on page 14.

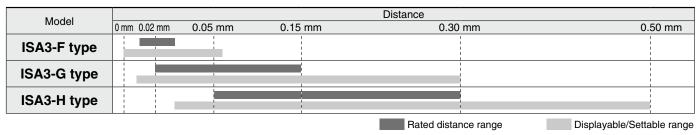
- *5 Refers to when OUT2 is set to detect the distance
 *6 Refers to when OUT2 is set to detect the pressure
 *7 If the applied pressure fluctuates around the set value, the hysteresis must be set to a value more than the fluctuating width, otherwise chattering will occur.
- *8 Only applies to the digital gap checker body excluding the control unit.

Rated Distance Range and Displayable/Settable Range

The displayed value is a reference value obtained by converting the distance between the workpiece and the detection surface into a digital numerical value. It is not displayed in units. For details, refer to the Relationship Between Displayed Value and Distance on page 14.

Rated distance range: Distance range within which the product meets the specifications

Displayable/Settable range: Range within which it is possible to display or set values, (Not guaranteed to meet the specifications)



Supply Pressure Dependence Characteristics

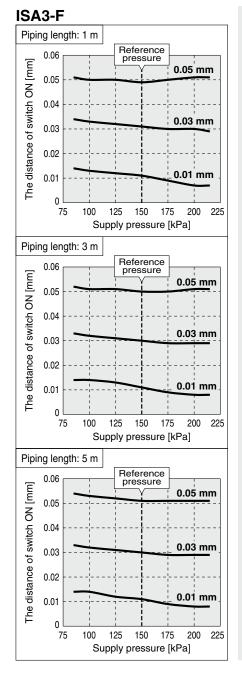
The distance for the product to turn ON varies depending on the supply pressure.

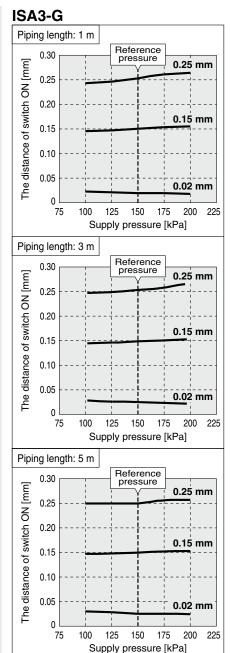
The graphs below show the variation of the distance for the product to turn ON, for 3 types of gap, by changing the supply pressure (±50 kPa) when the product is set to turn ON at 150 kPa supply pressure.

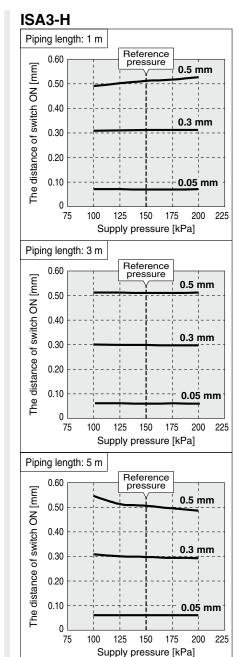
Test conditions

Detection nozzle: Ø1.5 Piping: F type Ø4 x Ø2.5 tube/G, H type Ø6 x Ø4 tube Reference pressure: 150 kPa

* Use within the rated pressure range (100 kPa to 200 kPa). It will be impossible to measure the gap when the operating pressure is less than 80 kPa or over 220 kPa. And the output will be OFF. (Refer to the Relationship Between Supply Pressure and Display on page 22.)







Response Time

Response time is the elapsed time between the pressure supply and the turning ON of the switch output.

The response time varies depending on the piping length from the OUT port to the detection nozzle, and the seating condition of the workpiece. The graphs below show the response time when the workpiece is approached at 90% distance and 0% distance (close contact). (* The switch point is 100% distance.)

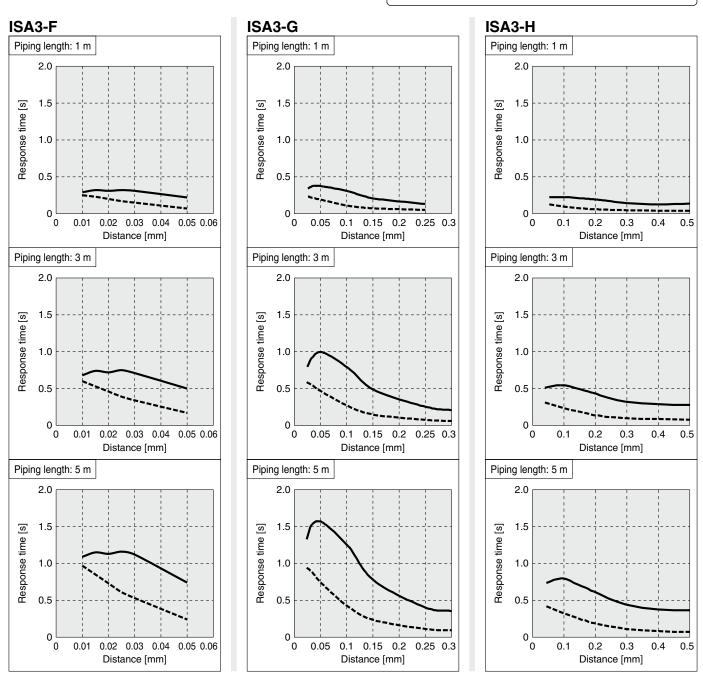
(Example: When the switch point is set to 0.1 mm, the response time when the workpiece is at 0.09 mm and 0 mm are measured.)

Test conditions

Detection nozzle: Ø1.5 Piping: F type Ø4 x Ø2.5 tube/G, H type Ø6 x Ø4 tube

Supply pressure: 200 kPa

Response time when the workpiece is set at 90% distanceResponse time for close contact of workpiece



Relationship Between Displayed Value and Distance

The graphs below show the relationship between the displayed value and distance.

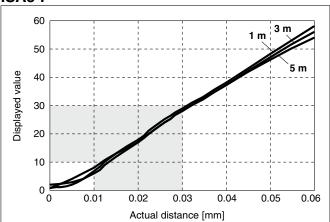
* The data shown below are for reference. They change depending on the individual product differences, machining dimensions of the nozzle, etc.

Test conditions Detection nozzle: Ø1.5 **Detection nozzle piping:**

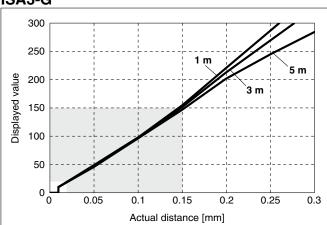
F type Ø4 x Ø2.5 tube 1 m, 3 m, 5 m/ G, H type Ø6 x Ø4 tube 1 m, 3 m, 5 m

Supply pressure: 200 kPa

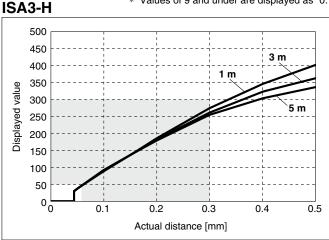
ISA3-F



ISA3-G



* Values of 9 and under are displayed as "0."



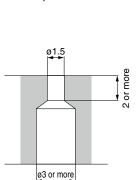
* Values of 29 and under are displayed as "0."

Detection Nozzle Shape

The nozzle shape must be similar to Fig. 1. Do not chamfer the nozzle as shown in Fig. 2, as the characteristics will be affected.

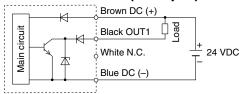
Fig. 1: Recommended nozzle shape

Fig. 2: Unsuitable nozzle shape

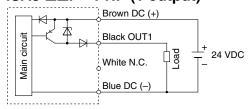


Internal Circuits and Wiring Examples

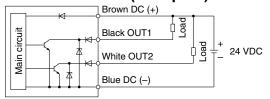
NPN (1 output) ISA3-□□N



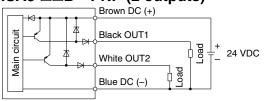
PNP (1 output) ISA3-□□P



ISA3-□□A NPN (2 outputs)

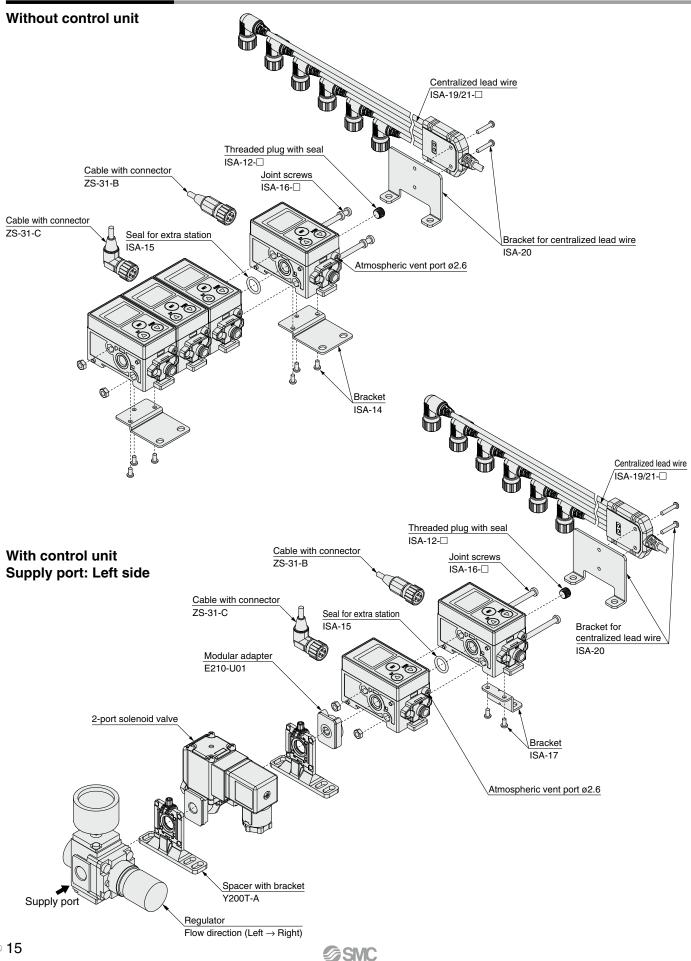


ISA3-□□B PNP (2 outputs)

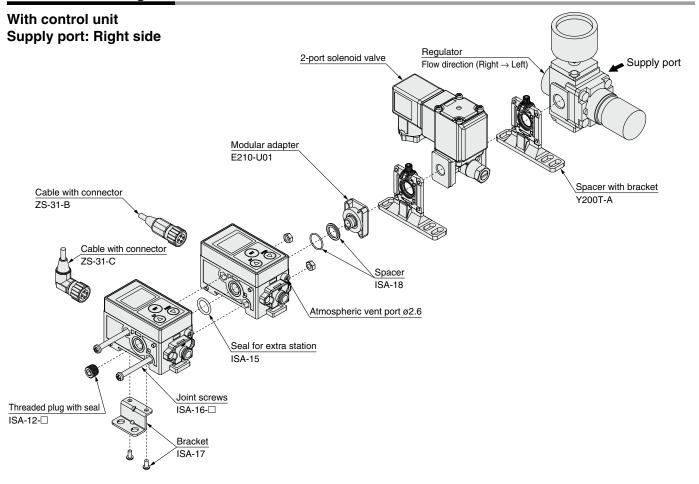


* Refer to the Web Catalog for wiring details of the VX2 series (2-port solenoid valve).

Construction Diagram



Construction Diagram



If there is a possibility that the atmospheric vent port of the gap checker will be exposed to water or dust, insert a tube into the atmospheric vent port and route the other end of the tube to a safe place away from water or dust.

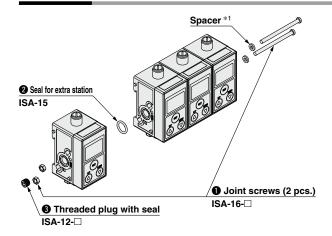
* For tubing, please use the SMC TU0425 (polyurethane, O.D. ø4, I.D. ø2.5) for the gap checker.

∧ Caution

SMC products are not intended for use as instruments for legal metrology.

Measurement instruments that SMC manufactures or sells have not been qualified by type approval tests relevant to the metrology (measurement) laws of each country. Therefore, SMC products cannot be used for business or certification ordained by the metrology (measurement) laws of each country.

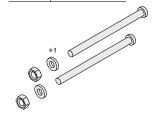
Parts List



*1 Spacers are included for 4 and 6 stations.

1 Joint screws 2 screws, 2 spacers, 2 nuts

Stations	Part no.
2	ISA-16-2
3	ISA-16-3
4 *1	ISA-16-4
5	ISA-16-5
6 *1	ISA-16-6



Seal for extra station ISA-15 1 pc.

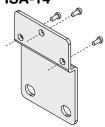


3 Threaded plug with seal ISA-12-□ 1 pc.

Piping	Part no.
Rc1/8	ISA-12-A
G1/8	ISA-12-C
	_

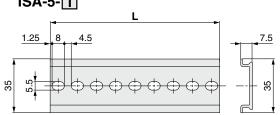


■ Bracket ISA-14



With 3 tapping screws (3 x 8)

■ DIN rail ISA-5-1



Stations	Part no.	L
1	ISA-5-1	73.0
2	ISA-5-2	135.5
3	ISA-5-3	173.0
4	ISA-5-4	210.5
5	ISA-5-5	248.0
6	ISA-5-6	285.5

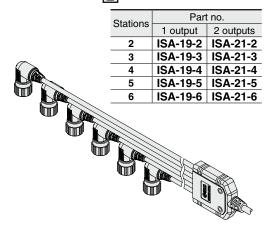
■ Lead wire with connector ZS-31-B ZS-31-C



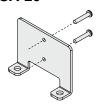
ZS-31-C Right angle 5 m



■ Centralized lead wire ISA-19/21-2

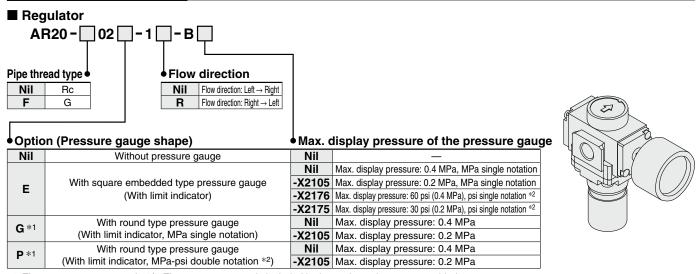


■ Bracket for centralized lead wire ISA-20



* With 2 mounting screws (M3 x 16L)

Parts List (Control Unit)



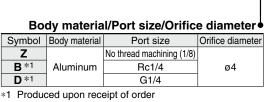
*1 The pressure gauge port is 1/8. The pressure gauge is included in the package, but not assembled.

VX210 Z Z2A X276

*2 This product is for overseas use only according to the New Measurement Act. (The SI unit type is provided for use in Japan.)

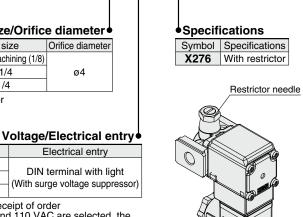
For details, refer to the Web Catalog.

2-port solenoid valve



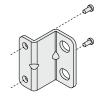
Symbol	Voltage	Electrical entry
Z2A	24 VDC	DINI to making all with light
Z2B *2	100 VAC	DIN terminal with light (With surge voltage suppressor)
Z2C *2	110 VAC	(with surge voitage suppressor)

*2 Produced upon receipt of order When 100 VAC and 110 VAC are selected, the product without thread machining (symbol: Z) cannot be selected.



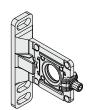
For specifications other than X276, refer to the Web Catalog.

Bracket (when control unit fitted) **ISA-17**



With 2 tapping screws (3 x 8)

■ Spacer with bracket Y200T-A



■ Modular adapter E210-U01



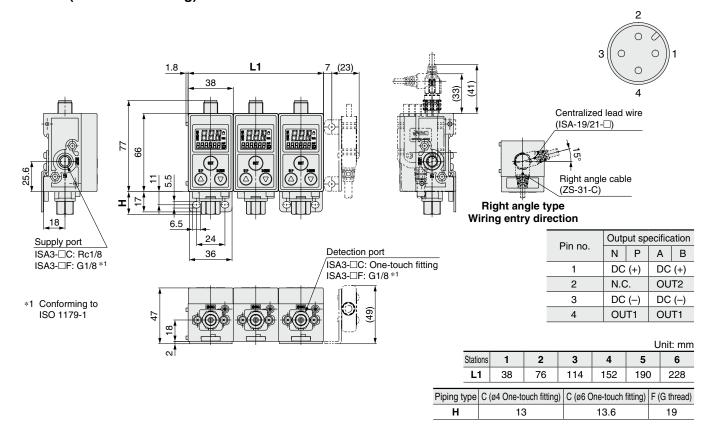
■ Spacer **ISA-18**



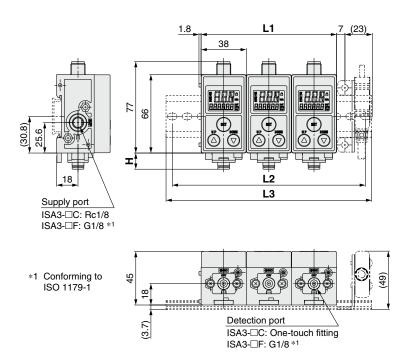
* When a 2-port solenoid valve is connected to the right

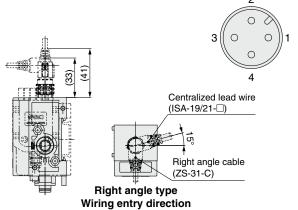
Dimensions

ISA3-□□ (Bracket mounting)



ISA3-□□ (DIN rail mounting)





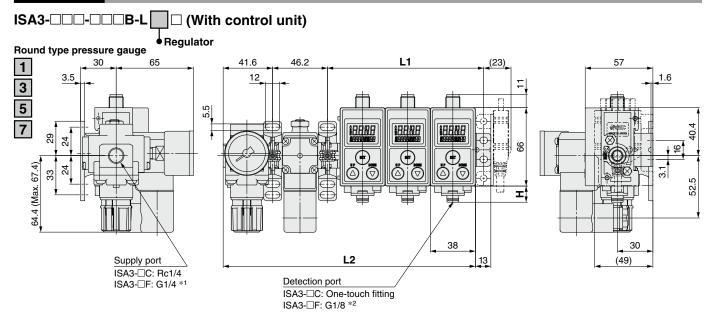
Pin no.	Output specification					
PIII IIO.	N P		Α	В		
1	DC (+)		DC (+) DC (+)		(+)	
2	N.C.		OUT2			
3	DC (-)		DC (-) DC (-			
4	OUT1		OU	T1		

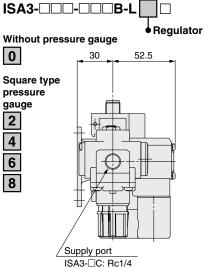
					U	Init: mn
Stations	1	2	3	4	5	6
L1	38	76	114	152	190	228
L2	62.5	125	162.5	200	237.5	275
L3	73	135.5	173	210.5	248	285.5

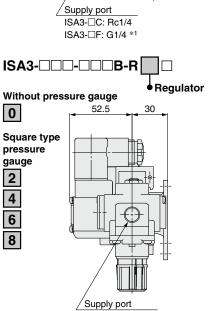
Piping type C (ø4 One-touch fitting) C (ø6 One-touch fitting) F (G thread)	L	3	73	135.5	1/3	210.5	248		285.5
1 0 11 (0, ()									
H 13 13.6 19	Piping type	C((ø4 One-to	ouch fitting) C (ø6 C	ne-touch	fitting)	F(G thread)
11 10 10.0	Н		13	3		13.6			19

3-Color Display Digital Gap Checker ISA3 Series

Dimensions







ISA3-□C: Rc1/4 ISA3-□F: G1/4 *1

ISA3-□□-□□B-R							
Round type p	• Regulator oressure gauge						
1	L1 46.2 41.6	65 30					
3 5 7		Supply port ISA3-□C: Rc1/4 ISA3-□F: G1/4 *1					

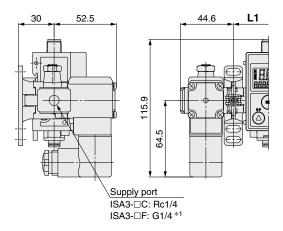
						Unit: mm
Stations	1	2	3	4	5	6
L1	55.6	93.6	131.6	169.6	207.6	245.6
L2	136.4	174.4	212.4	250.4	288.4	326.4
Piping type C (ø4 One-touch fitting) C (ø6 One-touch fitting) F (G thread)						

Piping type C (ø4 One-touch fitting) C (ø6 One-touch fitting) F (G thread)

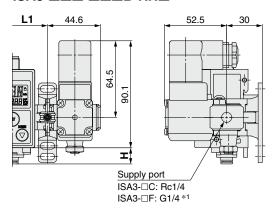
H 13 13.6 19

Dimensions

ISA3-



- *1 Conforming to ISO 16030 *2 Conforming to ISO 1179-1 * Bracket mounting only



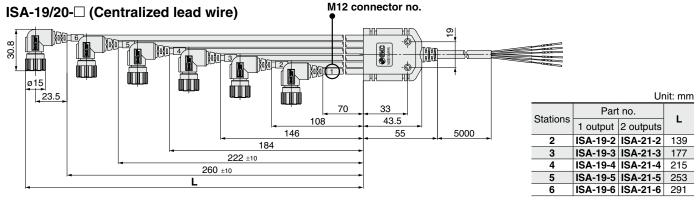
							Unit: mm
Stations	1	2		3	4	5	6
L1	55.6	93.6	13	31.6	169.6	207.6	245.6
Piping type	C (ø4 One	e-touch fitt	ing)	C (ø6	One-touc	h fitting)	F (G thread)
Н		13			13.6		19



Dimensions

ZS-31-B (Cable with connector) Connector pin no. 5000 Pin no. Lead wire color Description Pin no. Lead wire color Description Brown DC(+) Blue DC(-) White OUT2 Black OUT1

ZS-31-C (Cable with connector)



ISA-19-□ (Centralized lead wire: 1 output type)

			-	
M12 connector no.	Pin no.	Description	Lead wire color	
	1	DC(+)	Brown*1	
1	2	N.C.	_	Black
ı	3	DC(-)	Blue*1	DIACK
	4	OUT1		
	1	DC(+)	Brown*1	
2	2	N.C.	-	White
2	3	DC(-)	Blue*1	vviile
	4	OUT1		
	1	DC(+)	Brown*1	
3	2	N.C.	_	Gray
3	3	DC(-)	Blue*1	Glay
	4	OUT1		

M12 connector no.	Pin no.	Description	Lead wire color	
	1	DC(+)	Brown*1	
4	2	N.C.	_	Orongo
4	3	DC(-)	Blue*1	Orange
	4	OUT1		
_	1	DC(+)	Brown*1	
	2	N.C.	_	Red
5	3	DC(-)	Blue*1	neu
	4	OUT1		
	1	DC(+)	Brown*1	
6	2	N.C.	_	Green
	3	DC(-)	Blue*1	Green
	4	OUT1		

ISA-21-□ (Centralized lead wire: 2 outputs type)

·ISA-21-2/3

1071 = 1 = 70				
M12 connector no.	Pin no.	Description	Lead wire color	
	1	DC(+)	Brown*1	Orongo
4	2	OUT2		Orange
į	3	DC(-)	Blue*1	Black
	4	OUT1		DIACK
	1	DC(+)	Brown*1	Red
2	2	OUT2		neu
2	3	DC(-)	Blue*1	White
	4	OUT1		vviille
	1	DC(+)	Brown*1	Green
3	2	OUT2		Green
3	3	DC(-)	Blue*1	Gray
	4	OUT1		Ciray

·ISA-21-4/5/6

M40	D:	D	Lander	
M12 connector no.	Pin no.	Description	Lead wire color	
	1	DC(+)	Brown*1	Yellow
1	2	OUT2		I GIIOW
Į.	3	DC(-)	Blue*1	Black
	4	OUT1		DIACK
	1	DC(+)	Brown*1	Purple
2	2	OUT2		Purple
2	3	DC(-)	Blue*1	White
	4	OUT1		vvriite
	1	DC(+)	Brown*1	Crow/Blook
2	2	OUT2		Gray/Black
3	3	DC(-)	Blue*1	Grav
	4	OUT1		Gray

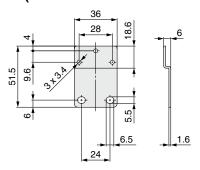
M12 connector no.	Pin no.	Description	Lead wire color	
	1	DC(+)	Brown*1	Orongo/Blook
4	2	OUT2		Orange/Black
4	3	DC(-)	Blue*1	Orongo
	4	OUT1		Orange
	1	DC(+)	Brown*1	Red/Black
5	2	OUT2		neu/black
3	3	DC(-)	Blue*1	Red
	4	OUT1		neu
	1	DC(+)	Brown*1	Green/Black
6	2	OUT2		Gleen/Black
	3	DC(-)	Blue*1	Green
	4	OUT1		Green

^{*1} Brown and blue are connected inside the product.

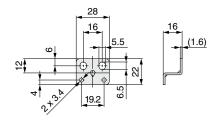


Dimensions

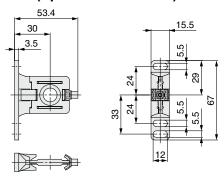
ISA-14 (Bracket when control unit not fitted)



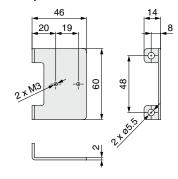
ISA-17 (Bracket when control unit fitted)



Y200T-A (Spacer with bracket)



ISA-20 (Bracket for centralized lead wire)

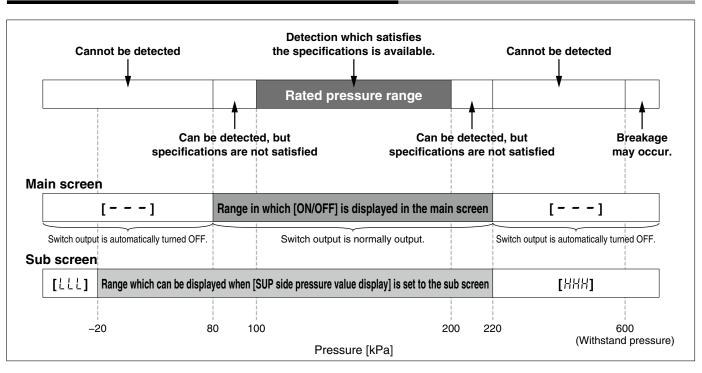




Error Indication

Main screen	Name	Description	Measures
	Supply pressure error	Displayed when supply pressure is outside the range of 80 kPa to 220 kPa. Measurement is not possible.	Supply rated pressure (100 kPa to 200 kPa). The product will return to measurement mode automatically.
	Outside of the displayable range (Switch point change mode)	The workpiece is outside the displayable range.	Move the workpiece closer to the detection nozzle.
Er l	OUT1 over current error	The switch output (OUT1) load current has exceeded 80 mA.	Turn the power OFF and remove the cause of the over current. Then turn the power ON again.
Er3	Zero clear error	Zero clear was not performed at atmospheric pressure. (Pressure outside of ± 14 kPa was supplied present.)	Perform zero clear at atmospheric pressure.
E-O			
Er4 to	System error	An internal data error has occurred.	Turn the power OFF and turn it ON again.
to Erg			
Sub screen	Name	Description	Measures
ннн	Supply pressure error (When [SUP side pressure	Pressure exceeding 220 kPa is supplied.	Keep the supply pressure within the dis-
LLL	value display] is set to the sub screen)	Vacuum pressure (less than –20 kPa) is supplied.	playable range of -20 kPa to 220 kPa.

Relationship Between Supply Pressure and Display



ISA3 Series **Made to Order**

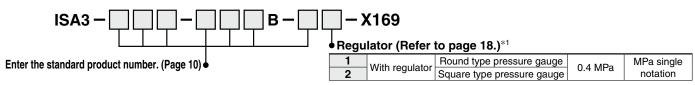


Please contact SMC for detailed dimensions, specifications, and delivery times.

Compatible with control units without a 2-port solenoid valve

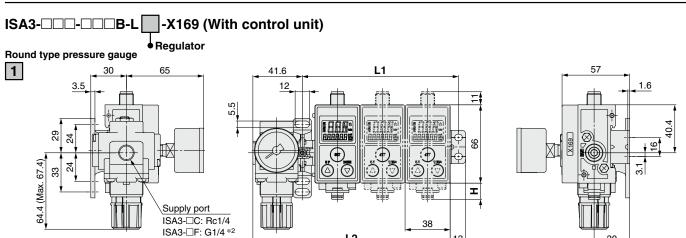
This is a product with a control unit without a 2-port solenoid valve. (Combination of an ISA3 and a regulator)

How to Order

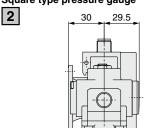


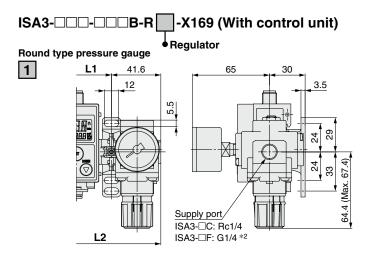
^{*} Not compatible with the ISA3-L series (IO-Link compatible)

Dimensions



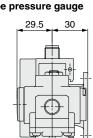
Square type pressure gauge





Square type pressure gauge

2



					ı	Unit: mm
Stations	1	2	3	4	5	6
L1	55.6	93.6	131.6	169.6	207.6	245.6
L2	90.2	128.2	166.2	204	242.2	280.2

Piping type	C (ø4 One-touch fitting)	C (ø6 One-touch fitting)	F (G thread)
Н	13	13.6	19

The type without a regulator (option "N") is available as standard and therefore cannot be

^{*2} Conforming to ISO 16030

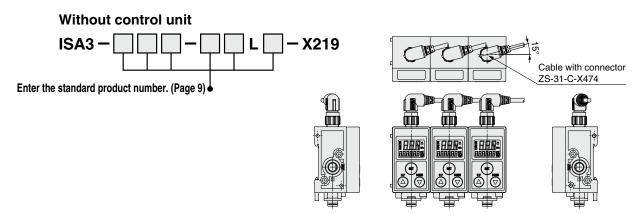
^{*} Bracket mounting only

Please contact SMC for detailed dimensions, specifications, and delivery times.

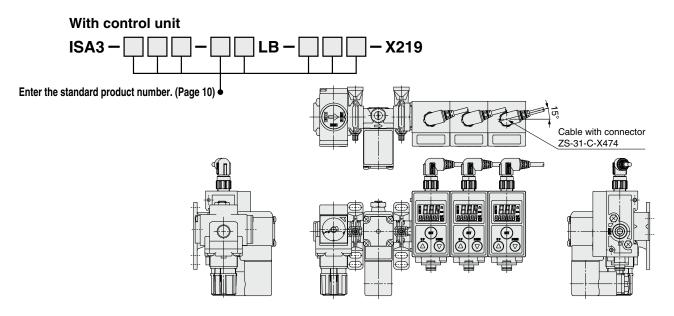
2 A cable in-line entry type

This product has an in-line cable entry.

How to Order



* Dimensions are the same as the standard product. For details, refer to page 19.

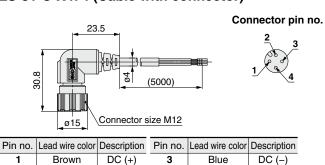


* Dimensions are the same as the standard product. For details, refer to page 20.

ZS-31-C-X474 (Cable with connector)

OUT2

White



Black

OUT1