

# Rated pressure range

ZSE20	0 to -101 kPa
ZSE20F	-100 to 100 kPa

#### 2 Output specification

Symbol	l Description	
N	NPN open collector 1 output	
Р	PNP open collector 1 output	

#### **3** Unit specification

Symbol Description	
Nil Units selection function*1	
M SI units only*2	
P Units selection function (Initial value	

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa



Symbol	Description	Symbol	Description	
	M5 female thread	C4H	One-touch fitting ø4 mm	Straight type
M5		С6Н	One-touch fitting ø6 mm	
	Piping port	N7H	One-touch fitting ø1/4 inch	
	R1/8 R1/8 Piping	C4L	One-touch fitting ø4 mm	Elbow type
01	adapter ZS-46-N1	C6L	One-touch fitting ø6 mm	
	25-40-111	N7L	One-touch fitting ø1/4 inch	
	NPT1/8 NPT1/8 Pining	* One-touch fitting is shipped together with the product.		

**5** Option 1

Symbol	Description		
Nil	Without lead wire		
L	Lead wire with connector (3-core, 2 m lead wire)  (Refer to page 2:		

\* For the **lead wire with M12 connector**, refer to page 43.

#### Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	0	_
Υ	_	_
K	0	0
T	_	0

\*1 All texts are in both English and Japanese.

#### 6 Option 2

Symbol	Description		
Nil	None		
<b>A</b> 1	Bracket A (Vertical mounting)		ZS-46-A1
A2	Bracket B (Horizontal mounting)		ZS-46-A2
В	Panel mount adapter		ZS-46-B
D	Panel mount adapter + Front protection cover		ZS-46-D

## **Options/Part Nos.**

which only optional parts are re-	quireu, oruei	with the part numbers hated below.
Description	Part no.	Note
Bracket A	ZS-46-A1	Tapping screw: Nominal size 3 x 8 L (2 pcs.)
Bracket B	ZS-46-A2	Tapping screw: Nominal size 3 x 8 L (2 pcs.)
Panel mount adapter	ZS-46-B	_
Panel mount adapter + Front protection cover	ZS-46-D	_
Lead wire with connector	ZS-46-3L	3-core, 2 m, Non-waterproof (Without waterproof cover)
Lead wire with M12 connector	ZS-46-5LM12	Made to order (Refer to page 43.)
Front protection cover	ZS-27-01	_
R1/8 Piping adapter	ZS-46-N1	R1/8 NPT1/8
NPT1/8 Piping adapter	ZS-46-N2	
One-touch fitting ø4 mm straight	ZS-46-C4H	_
One-touch fitting ø6 mm straight	ZS-46-C6H	_
One-touch fitting ø1/4 inch straight	ZS-46-N7H	_
One-touch fitting ø4 mm elbow	ZS-46-C4L	_
One-touch fitting ø6 mm elbow	ZS-46-C6L	_
One-touch fitting ø1/4 inch elbow	ZS-46-N7L	_
Spacer for fitting extension	ZS-46-M5A	Made to order (Refer to page 44.)

2 Outputs + Analog Output (Voltage/Current)

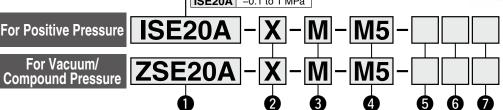
3-Screen Display High-Precision

**Digital Pressure Switch** 

**IP40** ZSE20A(F)/ISE20A Series

#### **How to Order**

Rated pressure range **ISE20A** -0.1 to 1 MPa





RoHS

Made to Order (pp. 42 to 48)

## Rated pressure range

ZSE20A	0 to -101 kPa
ZSE20AF	-100 to 100 kPa

#### 2 Output specification

Symbol	Description	
R	NPN open collector 2 outputs + Analog voltage output *1	
S	NPN open collector 2 outputs + Analog current output *1	
Т	PNP open collector 2 outputs + Analog voltage output *1	
V	PNP open collector 2 outputs + Analog current output *1	
X	NPN open collector 2 outputs + Copy function	
Υ	PNP open collector 2 outputs + Copy function	

\*1 Can be switched to auto-shift or copy function

#### Unit specification

Made to Order

Symbol	Description			
Nil Units selection function*1				
M SI units only*2				
P Units selection function (Initial value p				

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa

Pining specification

Fibring specification				
Symbol	Description	Symbol	Description	
	M5 female thread	C4H	One-touch fitting ø4 mm	Straight type
M5		С6Н	One-touch fitting ø6 mm	
	Piping port	N7H	One-touch fitting ø1/4 inch	
	R1/8 R1/8 Piping	C4L	One-touch fitting ø4 mm	Elbow type
01	adapter ZS-46-N1	C6L	One-touch fitting ø6 mm	
	23-40-111	N7L	One-touch fitting ø1/4 inch	
	NPT1/8	* Or	ne-touch fitting is shipped to	gether with the
N01	NPT1/8 Piping adapter	pro	oduct.	

Symbol Description Without lead wire Lead wire with

connector Nithout waterproo (5-core. 2 m lead wire) (Refer to page 22.)

For the lead wire with M12 connector, refer to page 43.

#### Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	0	_
Υ	_	_
K	0	0
Т	_	0

All texts are in both English and Japanese.

#### 6 Option 2

Symbol	Description	
Nil	None	
<b>A</b> 1	Bracket A (Vertical mounting)	ZS-46-A1
A2	Bracket B (Horizontal mounting)	ZS-46-A2
В	Panel mount adapter	ZS-46-B
D	Panel mount adapter + Front protection cover	ZS-46-D

#### **Options/Part Nos.**

Option 1

Description	Part no.	Note
Bracket A	ZS-46-A1	Tapping screw: Nominal size 3 x 8 L (2 pcs.)
Bracket B	ZS-46-A2	Tapping screw: Nominal size 3 x 8 L (2 pcs.)
Panel mount adapter	ZS-46-B	_
Panel mount adapter + Front protection cover	ZS-46-D	_
Lead wire with connector	ZS-46-5L	5-core, 2 m, Non-waterproof (Without waterproof cover)
Lead wire with M12 connector	ZS-46-5LM12	Made to order (Refer to page 43.)
Front protection cover	ZS-27-01	_
R1/8 Piping adapter	ZS-46-N1	R1/8 NPT1/8
NPT1/8 Piping adapter	ZS-46-N2	
One-touch fitting ø4 mm straight	ZS-46-C4H	_
One-touch fitting ø6 mm straight	ZS-46-C6H	_
One-touch fitting ø1/4 inch straight	ZS-46-N7H	_
One-touch fitting ø4 mm elbow	ZS-46-C4L	_
One-touch fitting ø6 mm elbow	ZS-46-C6L	_
One-touch fitting ø1/4 inch elbow	ZS-46-N7L	_
Spacer for fitting extension	ZS-46-M5A	Made to order (Refer to page 44.)

2 Outputs + Analog Output (Voltage/Current)

3-Screen Display High-Precision

**Digital Pressure Switch** 

ZSE20B(F)/ISE20B Series

For the IO-Link compatible type, refer to page 15. For the M12 connector type, refer to page 13-1.

#### **How to Order**



RoHS

For Positive Pressure

For Vacuum/ Compound Pressure

ISE20B	- <b>X</b> -	- <b>M</b> -	M5	-
ZSE20B	<b>-X</b> -	- <b>M</b> -	- M5 -	
•	2	•	4	6 6 7



Made to Order (pp. 42 to 48)

# Rated pressure range

ZSE20B	0 to -101 kPa
ZSE20BF	-100 to 100 kPa

#### Output specification

Rated pressure range **ISE20B** -0.1 to 1 MPa

Symbol	Description	
R	NPN open collector 2 outputs + Analog voltage output *1	
S	NPN open collector 2 outputs + Analog current output *1	
Т	PNP open collector 2 outputs + Analog voltage output *1	
V	PNP open collector 2 outputs + Analog current output *1	
X	X NPN open collector 2 outputs + Copy function	
Y PNP open collector 2 outputs + Copy function		

\*1 Can be switched to auto-shift or copy function

Elbow type

#### 1 Unit specification

	•	
Symbol	Description	
Nil Units selection function*1		
M	M SI units only*2	
P Units selection function (Initial value p		

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa

Piping specification

	Symbol	Description	Symbol	
	М5	M5 female thread	C4L	One-touch ø4 mm
		Piping port	C6L	One-touch ø6 mm
	01	R1/8 Piping adapter ZS-46-N1		e-touch fittii h the produ
	N01	NPT1/8 NPT1/8 Piping adapter ZS-46-N2		

ing is shipped together

fitting

fitting

Description

Option 1

L	Symbol	Description	
	Nil	Without lead	wire
	W	Lead wire with connector (5-core, 2 m lead wire, With waterproof cover)	ZS-46-5F With waterproof cover (Refer to page 22.)

\* For the lead wire with M12 connector, refer to page 43.

#### Option 3

Symbol	Operation manual*1	Calibration certificate*1	
Nil	0	_	
Υ	_	_	
K	0	0	
T	_	0	

\*1 All texts are in both English and Japanese.

#### 6 Option 2

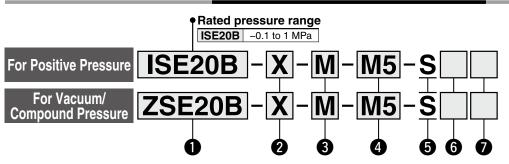
Symbol	Description	
Nil	None	
<b>A</b> 1	Bracket A (Vertical mounting)	ZS-46-A1
A2	Bracket B (Horizontal mounting)	ZS-46-A2
В	Panel mount adapter	ZS-46-B
D	Panel mount adapter + Front protection cover	ZS-46-D

#### **Options/Part Nos.**

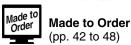
Vhen only optional parts are required, order with the part numbers listed below				
Description	Part no.	Note		
Bracket A	ZS-46-A1	Tapping screw: Nominal size 3 x 8 L (2 pcs.)		
Bracket B	ZS-46-A2	Tapping screw: Nominal size 3 x 8 L (2 pcs.)		
Panel mount adapter	ZS-46-B	_		
Panel mount adapter + Front protection cover	ZS-46-D	_		
Panel mount adapter	ZS-46-F	Made to order (Refer to page 45.)		
(Compatible with the panel holes of the Z/ISE40A)	25-40-1	Made to order (Heler to page 45.)		
Panel mount adapter + Front protection cover	ZS-46-G	Made to order (Refer to page 45.)		
(Compatible with the panel holes of the Z/ISE40A)	23-40-G	wade to order (rieler to page 45.)		
Lead wire with connector	ZS-46-5F	5-core, 2 m, Waterproof (With waterproof cover)		
Lead wire with M12 connector	ZS-46-5FM12	Made to order (Refer to page 43.)		
Front protection cover	ZS-27-01	— — — — — — — — — — — — — — — — — — —		
R1/8 Piping adapter	ZS-46-N1	R1/8 NPT1/8		
NPT1/8 Piping adapter	ZS-46-N2			
One-touch fitting ø4 mm elbow	ZS-46-C4L	_		
One-touch fitting ø6 mm elbow	ZS-46-C6L	_		
Spacer for fitting extension	ZS-46-M5A	Made to order (Refer to page 44.)		

# 3-Screen Display High-Precision Digital Pressure Switch ZSE20B(F)/ISE20B Series

#### **How to Order [M12 Connector Type]**







#### Rated pressure range

ZSE20B	0 to -101 kPa
ZSE20BF	-100 to 100 kPa

#### 2 Output specification

Symbol	Description	
R	NPN open collector 1 output + Analog voltage output *1	
S	NPN open collector 1 output + Analog current output *1	
Т	PNP open collector 1 output + Analog voltage output *1	
V	PNP open collector 1 output + Analog current output *1	
X	NPN open collector 2 outputs	
Υ	PNP open collector 2 outputs	

\*1 Can be switched to auto-shift or copy

#### 3 Unit specification

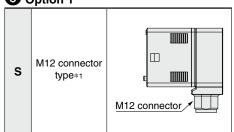
Symbol	Description	
Nil	Units selection function*1	
M SI units only*2		
P Units selection function (Initial value psi)		

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa

#### 4 Piping specification

Symbol	Description	
M5	M5 female thread	
01	R1/8	
N01	NPT1/8	
C4L	One-touch fitting ø4 mm (Elbow type)	
C6L One-touch fitting ø6 mm (Elbow type)		

**5** Option 1



\*1 Lead wire is not included.

#### 6 Option 2

Nil	None		
<b>A</b> 4	Bracket D (For M12 connector type)	ZS-46-A4	
<b>A</b> 5	Bracket E (For M12 connector type)	ZS-46-A5	

## **7** Option 3

Symbol	Operation Calibrati manual*1 certificate	
Nil	0	_
Υ	_	_
K	0	0
Т	_	0

\*1 All texts are in both English and Japanese.

#### **Options/Part Nos.**

Description	Part no.	Note	
Bracket D	ZS-46-A4	Tapping screw: Nominal size 3 x 8 L (2 pcs.)	
Bracket E	ZS-46-A5	Tapping screw: Nominal size 3 x 8 L (2 pc	
Lead wire with M12 connector	ZS-37-A	3 m lead wire	
(Straight)	ZS-31-B	5 m lead wire	
Lead wire with M12 connector	ZS-37-B	3 m lead wire	
(Right-angle)	ZS-31-C	5 m lead wire	
	EX9-AC005-SSPS	0.5 m lead wire, straight	
	EX9-AC010-SSPS	1 m lead wire, straight	
Lead wire with M12 connector	EX9-AC020-SSPS	2 m lead wire, straight	
(Connectors on both sides)	EX9-AC030-SSPS	3 m lead wire, straight	
	EX9-AC050-SSPS	5 m lead wire, straight	
	EX9-AC100-SSPS	10 m lead wire, straight	
R1/8 Piping adapter	ZS-46-N1	R1/8 NPT1/8	
111/61 iping adapter	23-40-111		
NPT1/8 Piping adapter	ZS-46-N2		
One-touch fitting ø4 mm elbow	ZS-46-C4L		
One-touch fitting ø6 mm elbow	ZS-46-C6L	<del>-</del>	

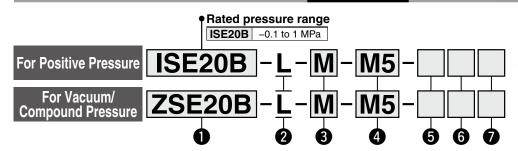
IO-Link Compatible (1 Output)

3-Screen Display High-Precision **Digital Pressure Switch** 

# ZSE20B(F)-L/ISE20B-L Series

For 2 outputs + analog output type, refer to page 13. For the M12 connector type, refer to page 15-1.

#### **How to Order**



## Rated pressure range

ZSE20B	0 to -101 kPa
ZSE20BF	-100 to 100 kPa

#### 2 Output specification

Symbol	Description	
	IO-Link/Switch: 1 output ← (PNP or NPN switching type for switch output)	

#### 3 Unit specification

	_ <b>.</b>	
Symbol	Description	
Nil	Units selection function*1	
М	SI units only*2	
Р	Units selection function (Initial value psi)*1	

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa

#### Piping specification

T iping specification		
Symbol	Description	
M5	M5 female thread  Piping port	
01	R1/8  R1/8 Piping adapter ZS-46-N1	
N01	NPT1/8  NPT1/8  NPT1/8 Piping adapter ZS-46-N2	

#### **5** Option 1

Symbol	Description	
Nil	Without lead	l wire
w	Lead wire with connector (5-core, 2 m lead wire, With waterproof cover)	ZS-46-5F With waterproof cover (Refer to page 22.)

\* For the lead wire with M12 connector, refer to page 43.

#### Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	0	_
Υ		
K	0	0
Т	_	0

\*1 All texts are in both English and Japanese.

## Options/Part Nos.

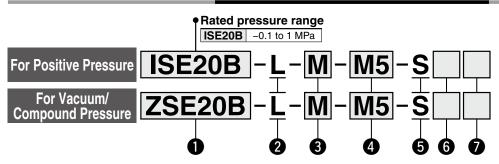
when only optional parts are required, order with the part numbers listed below.			
Description	Part no.	Note	
Bracket A	ZS-46-A1	Tapping screw: Nominal size 3 x 8 L (2 pcs.)	
Bracket B ZS-46-A2		Tapping screw: Nominal size 3 x 8 L (2 pcs.)	
Panel mount adapter	ZS-46-B	_	
Panel mount adapter + Front protection cover	ZS-46-D	_	
Lead wire with connector	ZS-46-5F	5-core, 2 m, Waterproof (With waterproof cover)	
Lead wire with M12 connector	ZS-46-5FM12	Made to order (Refer to page 43.)	
Front protection cover	ZS-27-01	— — —	
R1/8 Piping adapter	ZS-46-N1	R1/8 NPT1/8	
NPT1/8 Piping adapter	ZS-46-N2		

#### 6 Option 2

	O Option 2		
Symbol	Description		
Nil	None		
A1	Bracket A (Vertical mounting)	ZS-46-A1	
A2	Bracket B (Horizontal mounting)	ZS-46-A2	
В	Panel mount adapter	ZS-46-B	
D	Panel mount adapter + Front protection cover	ZS-46-D	

# 3-Screen Display High-Precision Digital Pressure Switch ZSE20B(F)-L/ISE20B-L Series

#### **How to Order [M12 Connector Type]**





#### Rated pressure range

ZSE20B	0 to -101 kPa
ZSE20BF	-100 to 100 kPa

#### 2 Output specification

Symbol	Description	
	IO-Link/Switch: 1 output ← (PNP or NPN switching type for switch output)	

#### 3 Unit specification

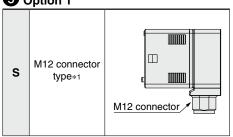
Symbol	Description
Nil	Units selection function*1
M	SI units only*2
Р	Units selection function (Initial value psi)*1

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa

#### 4 Piping specification

Symbol	Description	
M5	M5 female thread	
01	R1/8	
N01	NPT1/8	

#### **6** Option 1



\*1 Lead wire is not included.

#### 6 Option 2

Nil	None	
<b>A</b> 4	Bracket D (For M12 connector type)	ZS-46-A4
<b>A</b> 5	Bracket E (For M12 connector type)	ZS-46-A5

## **7** Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	0 -	
Υ	_	_
K	0	0
Т	_	0

\*1 All texts are in both English and Japanese.

#### **Options/Part Nos.**

Description	Part no.	Note		
Bracket D	ZS-46-A4	Tapping screw: Nominal size 3 x 8 L (2 pcs.		
Bracket E	ZS-46-A5	Tapping screw: Nominal size 3 x 8 L (2 pcs		
Lead wire with M12 connector	ZS-37-A	3 m lead wire		
(Straight)	ZS-31-B	5 m lead wire		
Lead wire with M12 connector	ZS-37-B	3 m lead wire		
(Right-angle)	ZS-31-C	5 m lead wire	9	
	EX9-AC005-SSPS	0.5 m lead wire, straight		
	EX9-AC010-SSPS	1 m lead wire, straight	t	
Lead wire with M12 connector	EX9-AC020-SSPS	2 m lead wire, straight		
(Connectors on both sides)	EX9-AC030-SSPS	3 m lead wire, straight		
	EX9-AC050-SSPS	5 m lead wire, straight		
	EX9-AC100-SSPS	10 m lead wire, straight		
R1/8 Piping adapter	ZS-46-N1	R1/8	NPT1/8	
NPT1/8 Piping adapter	ZS-46-N2	T O	THE STATE OF THE S	
One-touch fitting ø4 mm elbow	ZS-46-C4L	_		
One-touch fitting ø6 mm elbow	ZS-46-C6L	_		

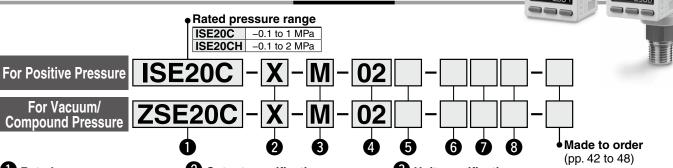
# 2 Outputs + Analog Output (Voltage/Current)

3-Screen Display High-Precision
Digital Pressure Switch for General Fluids

ZSE20C(F)/ISE20C(H) Series

For the IO-Link compatible type, refer to page 27.

#### **How to Order**



## Rated pressure range

ZSE20C	0 to -101 kPa
ZSE20CF	-100 to 100 kPa

#### 4 Piping specification

Symbol	Description
02	R1/4 (M5 female threaded)
N02	NPT1/4 (M5 female threaded)
F02	G1/4 (M5 female threaded)
C01	Rc1/8
A2	URJ1/4 (Face seal fitting)
B2	TSJ1/4 (Compression fitting)

#### Output specification

S	Symbol	Description
	R	NPN open collector 2 outputs + Analog voltage output*1
	S	NPN open collector 2 outputs + Analog current output*1
	Т	PNP open collector 2 outputs + Analog voltage output*1
Г	٧	PNP open collector 2 outputs + Analog current output*1
	X	NPN open collector 2 outputs + Copy function
Γ	Υ	PNP open collector 2 outputs + Copy function
_		

\*1 Can be switched to auto-shift or copy function

#### A Unit enecification

Offic specification				
Symbol	Description			
Nil	Units selection function*2			
M	SI units only*3			
Р	Units selection function (Initial value psi)*3			

\*2 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan. \*3 Fixed units: kPa, MPa

RoHS

**IP65** 

#### Option 2

Note that the optional parts that can be used vary depending on the piping direction

	. and piping amodulerin		
Symbol		Description	
Nil		None	

#### 6 Piping direction

_	
	Rear ported
Nil	
	Bottom ported
L	

# 6 Option 1

O Option 1		
Symbol	Description	
Nil	Without lead wire	
w	Lead wire with connector, 5-core (2 m lead wire, With waterproof cover)  With waterproof cover  ZS-46-5F (Refer to page 36.)	

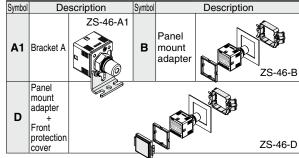
For the lead wire with M12 connector, refer to page 43.

# Options/Part Nos.

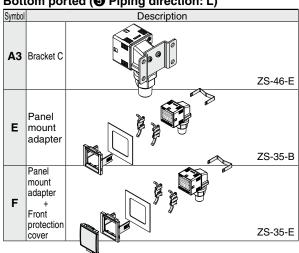
#### When only optional parts are required, order with the part numbers listed below.

Part no.	Note
ZS-46-A1	For rear ported/Tapping screw: Nominal size 3 x 8 L (2 pcs.)
ZS-46-E	For bottom ported/Tapping screw: Nominal size 3 x 10 L (2 pcs.)
ZS-46-B	Rear ported
ZS-35-B	Bottom ported
ZS-46-D	Rear ported
ZS-35-E	Bottom ported
ZS-46-F	Rear ported, Made to order (Refer to page 46.)
ZS-46-G	Rear ported, Made to order (Refer to page 46.)
ZS-46-5F	5-core, 2 m, Waterproof (With waterproof cover)
ZS-46-5FM12	Made to order (Refer to page 43.)
ZS-27-01	Rear ported
ZS-35-01	Bottom ported
ZS-31-X175	To prevent the effects of water collision with inertia force
ZS-31-X186	Dimensions (Refer to page 32.)
ZS-31-X188	Dimensions (helef to page 32.)
ZS-48-A	To prevent the effects of water collision with inertia force Dimensions (Refer to page 32.)
	ZS-46-A1 ZS-46-E ZS-46-B ZS-35-B ZS-46-D ZS-35-E ZS-46-F ZS-46-F ZS-46-5F ZS-46-5FM12 ZS-27-01 ZS-35-01 ZS-31-X175 ZS-31-X186 ZS-31-X188

#### Rear ported ( Piping direction: Nil)



#### Bottom ported (5 Piping direction: L)



#### **8** Option 3

Symbol	Operation manual*4	Calibration certificate*4
Nil	0	_
Υ	_	_
K	0	0
T	_	0

\*4 All texts are in both English and Japanese

# IO-Link Compatible (1 Output)

# 3-Screen Display High-Precision

Digital Pressure Switch for General Fluids

# ZSE20C(F)-L/ISE20C(H)-L Series

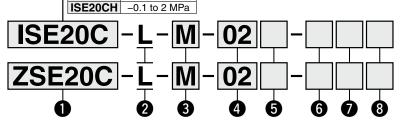
For 2 outputs + analog output type, refer to page 25.

#### **How to Order**

Rated pressure range ISE20C | -0.1 to 1 MPa

For Positive Pressure

For Vacuum/ Compound Pressure



#### Rated pressure range

ZSE20C	0 to -101 kPa
ZSE20CF	-100 to 100 kPa

#### 2 Output specification

Symbol	Description
L	IO-Link/Switch: 1 output ← (PNP or NPN switching type for switch output)

#### **3** Unit specification

Symbol	Description
Nil	Units selection function*1
M	SI units only*2
Р	Units selection function (Initial value psi)*1

- \*1 Under the New Measurement Act, switches with the units selection function are no longer allowed for use in Japan.
- \*2 Fixed units: kPa, MPa

# 4 Piping specification

Symbol	Description
02	R1/4 (M5 female threaded)
N02	NPT1/4 (M5 female threaded)
F02	G1/4 (M5 female threaded)
C01	Rc1/8
A2	URJ1/4 (Face seal fitting)
B2	TSJ1/4 (Compression fitting)

#### **6** Piping direction

Piping direction		
	Rear ported	
Nil		
	Bottom ported	
L		

#### **6** Option 1

Symbol	Description		
Nil	Without lead wire		
w	Lead wire with connector, 5-core (2 m lead wire, With waterproof cover)  With waterproof cover  ZS-46-5F  (Refer to page 36.)		

For the **lead wire with M12 connector**, refer to page 43.

Dimensions (Refer to page 32.)

## Options/Part Nos.

#### When only optional parts are required, order with the part numbers listed below.

when only optional parts are required, order with the part numbers listed below.			
Description	Part no.	Note	
Bracket A	ZS-46-A1	For rear ported/Tapping screw: Nominal size 3 x 8 L (2 pcs.)	
Bracket C	ZS-46-E	For bottom ported/Tapping screw: Nominal size 3 x 10 L (2 pcs.)	
Panel mount adapter	ZS-46-B	Rear ported	
ranei mount adapter	ZS-35-B	Bottom ported	
Panel mount adapter +	ZS-46-D	Rear ported	
Front protection cover	ZS-35-E	Bottom ported	
Lead wire with connector	ZS-46-5F	5-core, 2 m, Waterproof (With waterproof cover)	
Lead wire with M12 connector	ZS-46-5FM12		
		Made to order (Refer to page 43.)	
Front protection cover	ZS-27-01	Rear ported	
From protection cover	ZS-35-01	Bottom ported	
Adapter with restrictor Rc1/4	ZS-31-X175	To prevent the effects of water collision with inertia force	
Adapter with restrictor NPT1/4	ZS-31-X186	Dimensions (Refer to page 32.)	
Adapter with restrictor Rc1/8 ZS-31-X1		Difficultions (neighbors 32.)	
Orifice M5	ZS-48-A	To prevent the effects of water collision with inertia force	

#### **7** Option 2

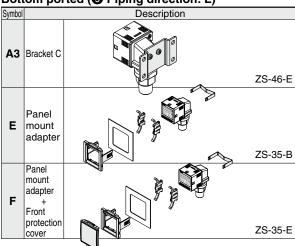
 Note that the optional parts that can be used vary depending on the piping direction.

	ii alo pipii g aii oodoiii	
Symbol	Desci	ription
Nil	None	

#### Rear ported ( Piping direction: Nil)

0	D-	!	0		Dan and attent	
Symbol	De	scription	Symbol		Description	
<b>A1</b>	Bracket A	ZS-46-A1	В	Panel mount adapter		ZS-46-B
D	Panel mount adapter + Front protection cover					ZS-46-D

#### Bottom ported (6 Piping direction: L)



#### 8 Option 3

Symbol	Operation manual*3	Calibration certificate*3
Nil	0	_
Υ	_	_
K	0	0
T	_	0

st3 All texts are in both English and Japanese.