

Electronic Pressure Switches/Sensors (Self-contained Type)

3-Screen Display High-Precision Digital Pressure Switch **ZSE20(F)/ISE20**



- Visualization of setting items
- Simple 3-step setting
- Easy screen switching
Setting is possible while checking the measured value.
- Delay time: Fastest 1.5 ms or less
- Current consumption: 25 mA or less

Series	Type	Rated pressure range
ZSE20F	Compound pressure	-100.0 to 100.0 kPa
ZSE20	Vacuum pressure	0.0 to -101.0 kPa
ISE20	Positive pressure	-0.100 to 1.000 MPa

2-Color Display High-Precision Digital Pressure Switch **ZSE30A(F)/ISE30A**



- With One-touch fitting (Straight, Elbow)
- Space saving, Capable of vertical and horizontal contact mounting
- With display calibration function
- Simultaneous copying is possible for a maximum of 10 units.

Series	Type	Rated pressure range
ZSE30AF	Compound pressure	-100.0 to 100.0 kPa
ZSE30A	Vacuum pressure	0.0 to -101.0 kPa
ISE30A	Positive pressure	-0.100 to 1.000 MPa

2-Color Display High-Precision Digital Pressure Switch **ZSE40A(F)/ISE40A**



- IP65
- Applicable fluids: Air, Non-corrosive gas, Non-flammable gas
- Simultaneous copying is possible for a maximum of 10 units.
- 3-step setting
- With One-touch fitting

Series	Type	Rated pressure range
ZSE40AF	Compound pressure	-100.0 to 100.0 kPa
ZSE40A	Vacuum pressure	0.0 to -101.3 kPa
ISE40A	Positive pressure	-0.100 to 1.000 MPa

Compact Digital Pressure Switch **ZSE10(F)/ISE10**



- Low profile: 9.8 mm
- Vertical mounting space reduced to approx. 1/2 (Compared to the ZSE/ISE30A series)
- Simultaneous copying is possible for a maximum of 10 units.
- 3-step setting

Series	Type	Rated pressure range
ZSE10F	Compound pressure	-100.0 to 100 kPa
ZSE10	Vacuum pressure	0.0 to -101.0 kPa
ISE10	Positive pressure	-0.100 to 1.000 MPa

2-Color Display Digital Pressure Switch **ISE70/75(H)**



- Metal body type (Aluminum die-casted)
- IP67
- With M12 connector

Series	Type	Rated pressure range
ISE70	Positive pressure (for air)	0 to 1 MPa
ISE75	Positive pressure (for general fluids)	0 to 10 MPa
ISE75H	Positive pressure (for general fluids)	0 to 15 MPa

Electronic Pressure Switches/Sensors (Self-contained Type)

2-Color Display Digital Pressure Switch ZSE80(F)/ISE80(H)



- Suitable for a wide variety of fluids due to its stainless diaphragm
- IP65
- RoHS compliant
- Low leakage
 - VCR®, Swagelok® compatible fittings can be selected.
- Back piping, underside piping

Series	Type	Rated pressure range
ZSE80F	Compound pressure	-100.0 to 100.0 kPa
ZSE80	Vacuum pressure	0.0 to -101.0 kPa
ISE80	Positive pressure	-0.100 to 1.000 MPa
ISE80H	Positive pressure	-0.100 to 2.000 MPa

Air Checker/Electronic Pressure Switch PS1000/1100/1200



- Plug-in port for One-touch fittings
- With LED light

Series	Type	Set pressure range
PS1000	Positive pressure	-0.1 to 0.45 MPa
PS1100	For vacuum/residual pressure	-0.1 to 0.4 MPa
PS1200	For vacuum	-100 to 0 kPa

LCD Readout Digital Pressure Switch ZSE3/ISE3



- Built-in failure prediction output function
- Can be integrated with a vacuum unit, ZX series
- Comes equipped with a suction filter as standard

Series	Type	Set pressure range
ZSE3	Vacuum pressure	0 to -101 kPa
ISE3L	Positive pressure	0 to 98 kPa
ISE3	Positive pressure	0 to 0.98 MPa

Compact Pressure Switch ZSE1/ISE1



- Can be integrated with a ZM ejector system

Series	Type	Set pressure range
ZSE1	Vacuum pressure	0 to -101 kPa
ISE1L	Positive pressure	0 to 100 kPa
ISE1	Positive pressure	0 to 1 MPa

Compact Pressure Switch ZSE2/ISE2



- Can be integrated with a ZX or ZR ejector system
- Comes equipped with a suction filter as standard

Series	Type	Set pressure range
ZSE2	Vacuum pressure	0 to -101 kPa
ISE2L	Positive pressure	0 to 100 kPa
ISE2	Positive pressure	0 to 1 MPa

Electronic Pressure Switches/Sensors (Self-contained Type)

3-Color Display Digital Gap Checker **ISA3**



- Check at a glance to see if a workpiece is placed or not.
- The clearance distance between the detection surface and the workpiece can be found intuitively.
- Simple setting: Change the settings while checking the displayed value.
- Energy saving: Air consumption reduced by 60%
- Improved drainage resistance: 10 times or more

Series	Rated distance range	Piping specifications: Supply side	Piping specifications: Detection side
ISA3-F	0.01 to 0.03 mm	Rc, G 1/8	ø4, ø6 One-touch fitting, G 1/8
ISA3-G	0.02 to 0.15 mm	Rc, G 1/8	ø4, ø6 One-touch fitting, G 1/8
ISA3-H	0.05 to 0.30 mm	Rc, G 1/8	ø4, ø6 One-touch fitting, G 1/8

Non-Contact Sensor for Workpiece Placement Verification/Air Catch Sensor **ISA2**



- Gap detection
- Can be configured with a regulator and a 2 port solenoid valve
- With LED level meter
- Plug connector, Easy to add and remove manifold stations

Series	Detection range	Recommended nozzle dia.
ISA2	0.01 to 0.25 mm	ø1.5
ISA2	0.03 to 0.50 mm	ø2.0

Digital Pressure Switch (Built-in Regulator Type) **ISE35**



- Modular type mountable
- ARM10/11 series mountable
- Selectable pressure unit
- With anti-chattering function
- Power-saving mode

Series	Type	Rated pressure range
ISE35	Positive pressure	-0.1 to 1 MPa

Digital Pressure Sensor **GS40**



- A pressure switch function has been added to the gauge with a digital display.

Series	Set pressure [MPa]
GS40	0 to 0.98