Set values can be changed while viewing present values!

Comparison output 1
Operation indicator lamp

IO-Link type has
communication operational indicator lamp

Comparison output 2
Operation indicator lamp

High-function type has analog
voltage output operational indicator lamp

Present value [Main display section]
3-color display (red/green/orange)

Main display section changes between green and
red in conjunction with output ON/OFF and shows
orange during setting.

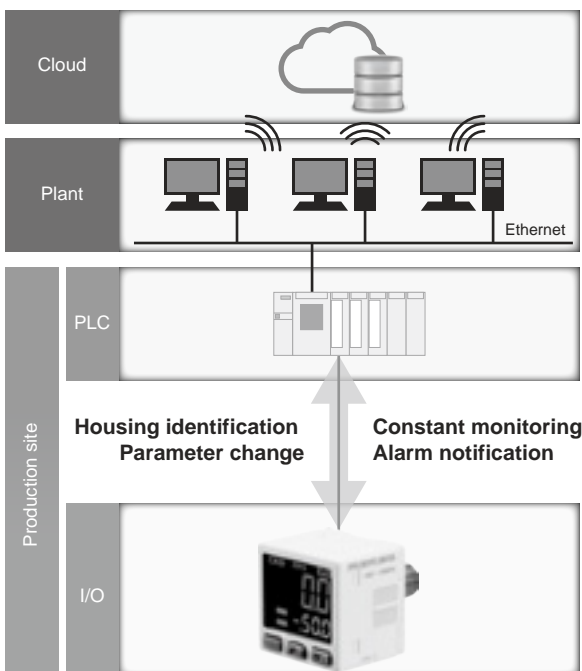**Set value** [Sub-display section]
Sub-display section can be customized

Arbitrary alphanumeric characters other than set
values can be displayed.

Mode
switching key

UP key

DOWN key

Introducing the IO-Link model

IO-Link is a digital communication standard for sensors/actuators at factory sites. (IEC 61131-9)
Unlike analog communication, it enables the transmission of parameters and event data.

Cloud

Plant

Ethernet

PLC

Production site

Housing identification
Parameter change

Constant monitoring
Alarm notification

I/O

Features of IO-Link

Digital signal

Constant monitoring via digital data is
possible.

Parameter remote control

Parameters can be set and changed via the
network, enabling remote operation of the
device.

Housing identification

Model Nos. and serial Nos.
can be checked via the network.

Plug & Play

Settings can be copied from the master
(scanner) side, making troublesome parameter
resetting during maintenance unnecessary.

Error notification

Device failure and disconnection can be
confirmed.

Connection to fieldbus

The network can also be changed to Ethernet
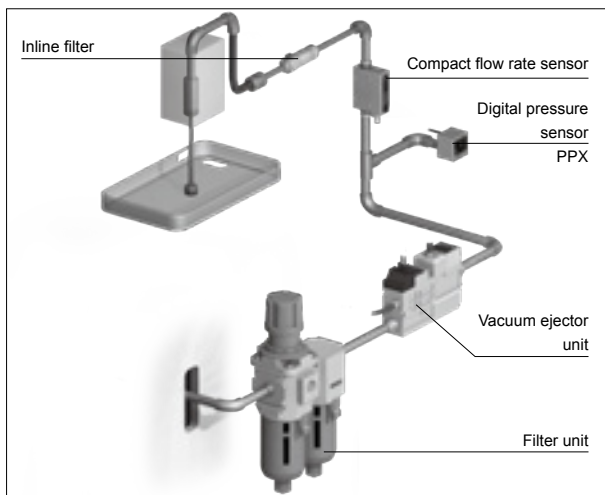connection, making the device a part of IoT.

CKD

Digital pressure sensor PPX Series

Selectable output

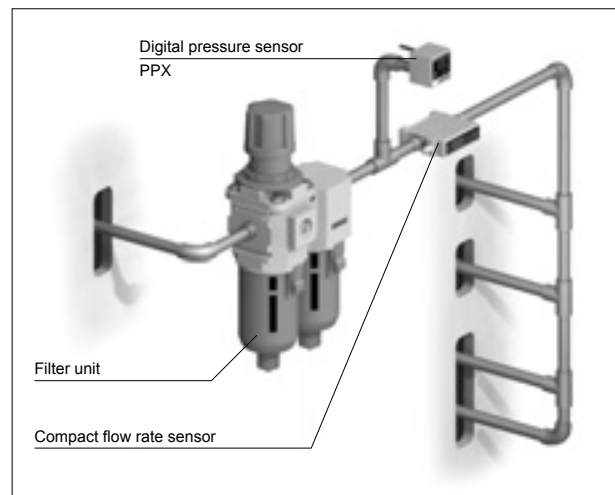Select from comparison output, analog output and IO-Link. 3 output types in the lineup to match applications.

	Standard	High-function	IO-Link
Output 1	Comparison output (NPN/PNP)	Analog output (Voltage/current)	IO-Link
Output 2	Comparison output (NPN/PNP)	Comparison output (NPN/PNP)	Control output (PNP)

Examples of applications

Workpiece suction confirmation

Inline filter
Compact flow rate sensor
Digital pressure sensor PPX
Vacuum ejector unit
Filter unit

Equipment source pressure confirmation

Digital pressure sensor PPX
Filter unit
Compact flow rate sensor

Oil-prohibited gas-contact parts

PPX-P12 Series

● **Gas-contact parts are oil-prohibited.**
● **Ideal for applications susceptible to grease, including semiconductors and medical use.**

Handy functions for ease of use

● **Easy-to-read alphanumeric display**

LOCK AREF RED
WCMP ZERO MODE

● **Peak/bottom hold function**
The max. and min. values of pressure fluctuation are displayed using 2 screens.

● **Response time can be set in 10 increments (2.5 ms to 5000 ms)**
● **Setting details can be displayed with codes**

Space saving Close mounting possible.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending