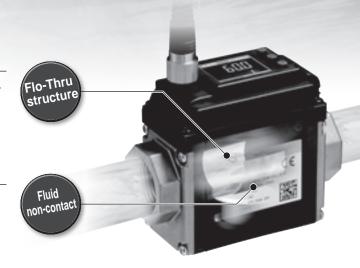
Flow rate sensor with Flo-Thru structure

No clogging of foreign matter

The Flo-Thru structure allows even water of poor quality to be used.

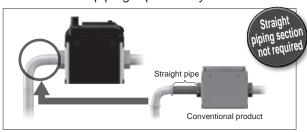
No detection failure

The capacitance structure reduces the likelihood of detection failures caused by foreign matter deposited onto the electrode.



Improved installation

Ensures elbow piping repeatability.



Noise resistance

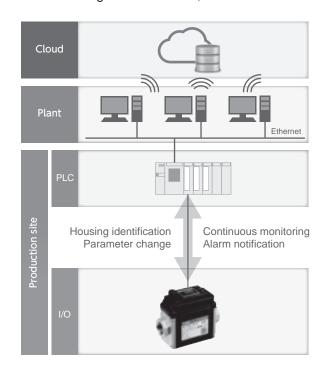
Stabilized power supply and anti-noise ferrite



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.



Features of IO-Link



Constant monitoring via digital data is



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



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



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



Device failure and disconnection can be confirmed.



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

1572

HiPolymDry MainFiltr Dischrg

DesicDry

RefrDry

F.R.L F.R. F (Filtr)

R (Reg)

L (Lub)

Drain Separ

Press SW Res press exh valve SlowStart

remove Filt

Oil-ProhR

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

Air Flo Sens/Ctrl

WaterRtSens

TotAirSys

TotAirSys (Gamma)

generator

Gas

Med Press FR PTFE FRL

Film Resist FR

Fluid temperature measuring function (option)

Saves space and wiring time with no need for a separately installed fluid temperature sensor.



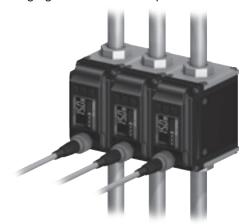
Remote zero adjustment

Allows zero point adjustment by external input.



Allows parallel installation

Changing the mode allows parallel installation.



Max. working pressure 2.0 MPa

Usable even with medium pressure coolants.

With 180° invertible display

It can be displayed flexibly to suit the device.



Improvement of visibility

The 2-color display and flow direction arrow allow easy recognition.





Flow direction

Easy setting

Settings can be easily changed using shortcut operation. *For details, refer to page 1585.

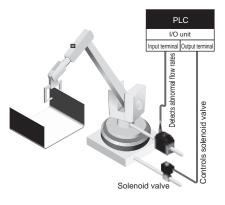
Capacitance flow sensor

WFC Series

Examples of applications

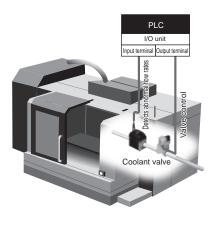
Welding Spot welding machine

Spot welding machine coolant control and flow rate abnormality detection for chip fallout



Machining Machine tools

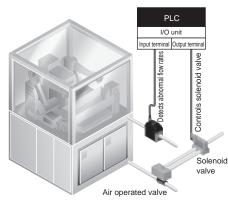
Flow rate management of water-soluble coolant



Hardening Induction hardening device

Quantitative management of cooling water





F.R.L. F.R.

F (Filtr)

R (Reg)

L (Lub)
Drain
Separ
Mech

Press SW
Res press
exh valve
SlowStart

Anti-bac/Bacremove Filt Film Resist FR

Oil-ProhR Med Press FR

Press FR
No Cu/
PTFE FRL
Outdrs FRL

Adapter Joiner Press Gauge

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

TotAirSys (Total Air) TotAirSys (Gamma) Gas

generator RefrDry DesicDry

HiPolymDry MainFiltr

Dischrg etc