

# Flow rate sensor with Flo-Thru structure

## No clogging of foreign matter

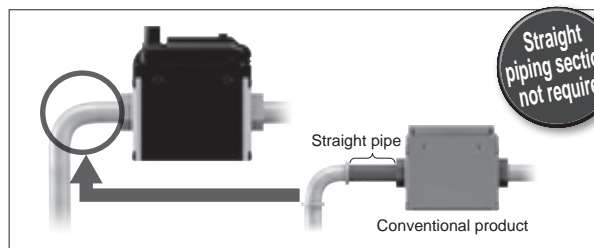
The Flo-Thru structure allows even water of poor quality to be used.

## No detection failure

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

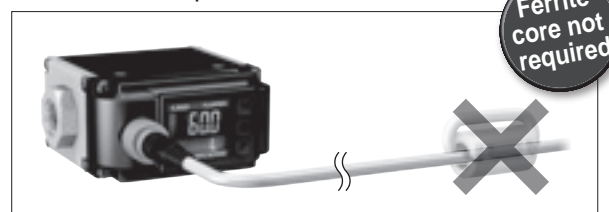
## Improved installation

Ensures elbow piping repeatability.



## Noise resistance

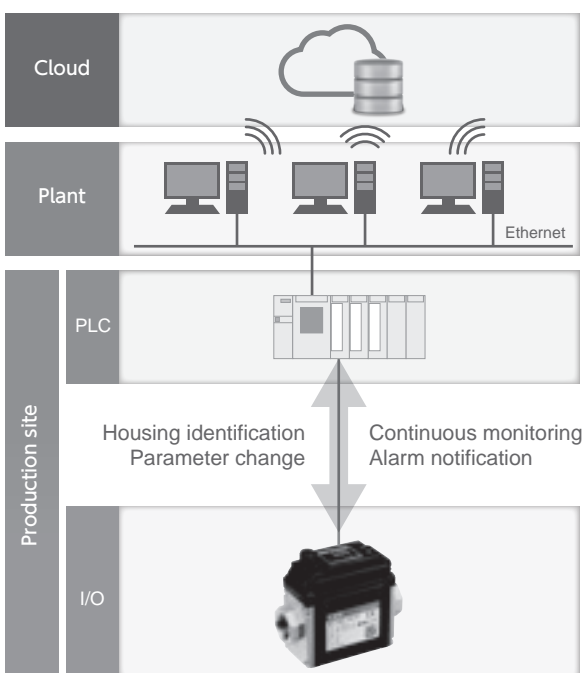
Stabilized power supply and anti-noise ferrite core are not required.



## 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 possible.



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



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.

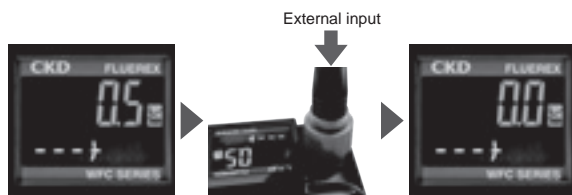
## Fluid temperature measuring function (option)

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



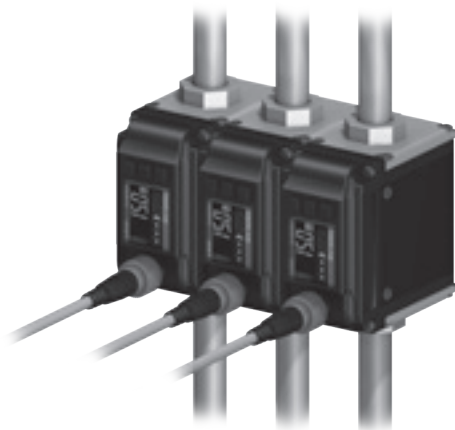
## Remote zero adjustment

Allows zero point adjustment by external input.



## Allows parallel installation

Changing the mode allows parallel installation.

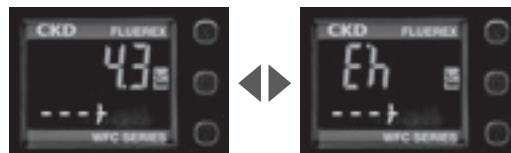


## Max. working pressure 2.0 MPa

Usable even with medium pressure coolants.

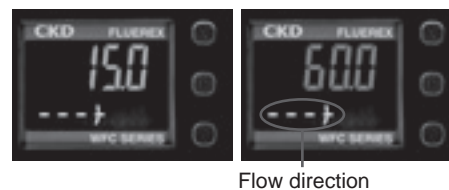
## With 180° invertible display

It can be displayed flexibly to suit the device.



## Improvement of visibility

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



## Easy setting

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

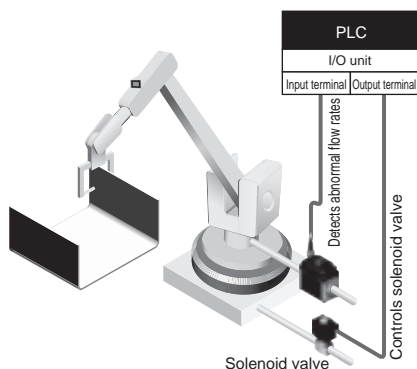
Capacitance flow sensor

# WFC Series

## Examples of applications

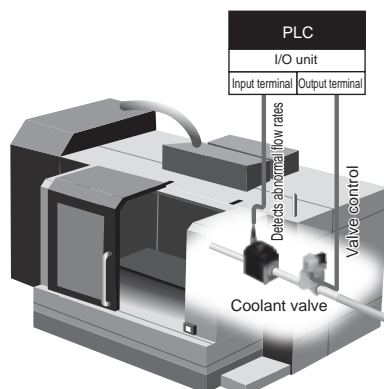
### Welding Spot welding machine

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

