

# Diversified

## Five types of gases can be measured with just one unit

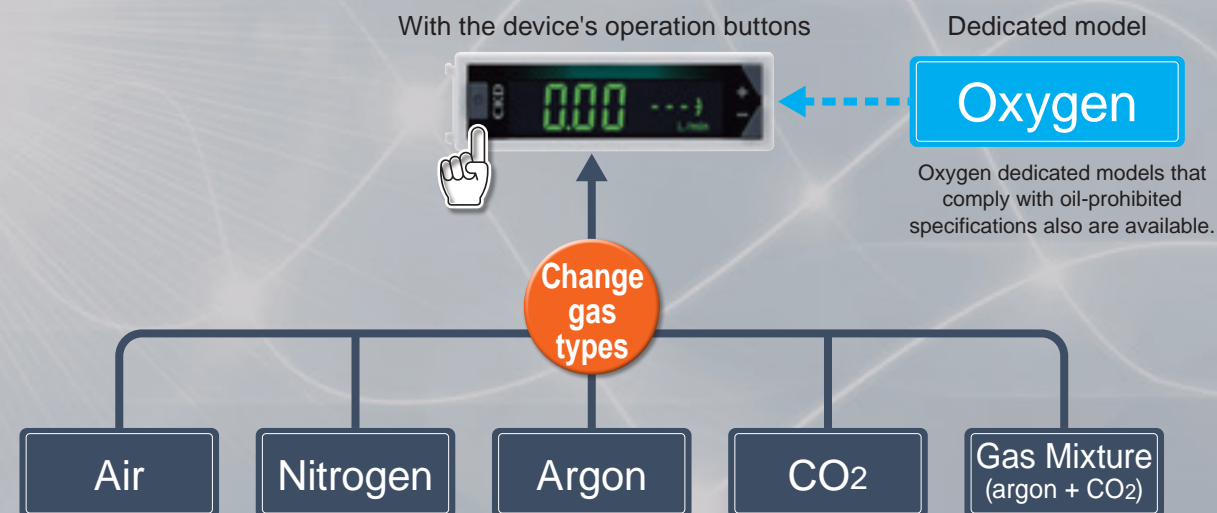
Gas type switching function (LCD display, IO-Link) (full scale flow rate model at 200 L/min or less)

Air, nitrogen, argon, carbon dioxide, gas mixture (mixture of Ar: CO<sub>2</sub> (8:2)) supported with this single flow rate sensor.

Gas types can be switched by operating buttons on the body.

In the IO-Link specifications, the gas type can be changed remotely from a host controller.

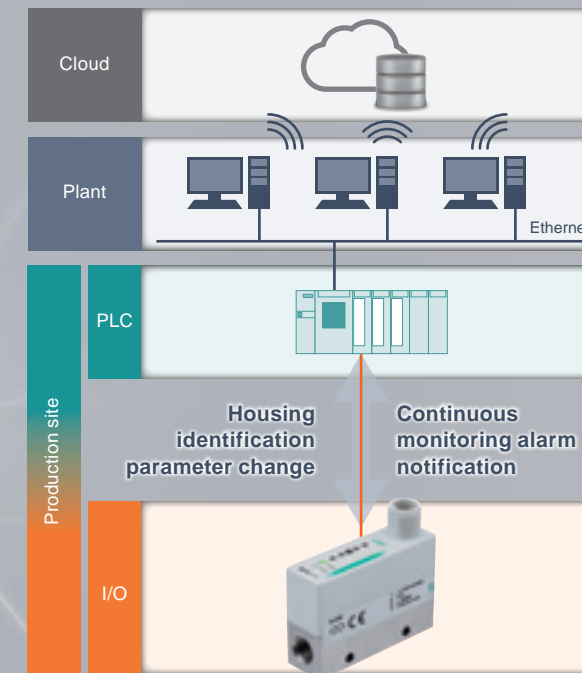
\* For details on mixing ratios, contact CKD.



## IO-Link model now included in series

IO-Link is a digital communication specification for on-site sensors and actuators in plants. (IEC61131-9)

This enables the transmission of parameters and event data that could not be transmitted by analog communication.



### Features of IO-Link

- Digital signals**: Continuous monitoring is enabled by the use of digital data.
- Parameter remote control**: Parameters can be set or changed via a network, allowing apparatus to be remote-controlled.
- Housing identification**: The model No., serial No. or other unit-unique information can be confirmed on the network.
- Plug & Play**: Settings can be copied from the master unit. This frees the operator from the trouble of having to reset parameters during maintenance.
- Abnormality detection**: Device failures and disconnections can be confirmed.
- Connection to field bus**: It is possible to connect by changing to an Ethernet network, enabling the creation of an IoT system.

# High performance



MEMS stands for Micro Electro Mechanical Systems or the technology of microscopic devices to which microprocessing technology, that is used in the manufacture of semiconductor, is applied.

## High precision/High-speed response

Repeatability: Within  $\pm 1\%$  F.S.

Display accuracy: Within  $\pm 3\%$  F.S.

Response time: 50 msec

## Reduced pressure loss

A re-designed flow path results in up to a 50% reduction in pressure loss.

## Bi-directional fluid measurement

Contributes to reducing tact time

The flow direction can be measured as desired.



## Clean-room specifications

Anti-dust generation packaging (P70) and oil-prohibited specifications (P80) are included in the product lineup as standard

Sensors can be used selectively according to the grade of the apparatus.

## Compatible with outgas

Stainless steel body does not use resin in the flow path, making it ideal for processes that are difficult to outgas.

# User-friendly

## LCD can be rotated for ease of viewing

The display can be inverted.



## Easy mounting (option)

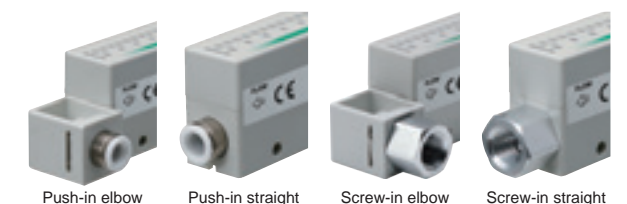
DIN rail mount

Panel mount



## Wide selection of fittings

Resin body



Stainless steel body

