

# Frequently asked questions regarding the selection and installation of Sensing

## Frequently asked questions Q&A

| Question                                      | Answer  |   |
|---|---|---|
|   | Sensing eye575 · 576                                  | Sensing eye737 · 738                                  |
| Is it possible to field adjust the equipment? | The equipment cannot be adjusted.                     | The equipment can be adjusted.                        |
| Can the equipment be dropped into a tank?     | The equipment cannot be used by dropping into a tank. | The equipment cannot be used by dropping into a tank. |
| Can the equipment be used outside?            | The equipment is for indoor use only.                 | The equipment is for indoor use only.                 |
| Can the cable be extended?                    | The cable can be extended.                            | The cable cannot be extended.                         |

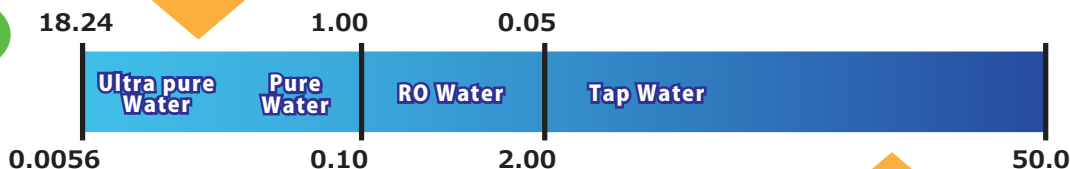
## Selection of equipment by the water quality of the "water" to be measured



### ◆ Sensing eye575 & 737

- Measurement range: purified water and the like can be measured from 0 to 20MΩ·cm.
- Best suited for the monitoring of purified water used for the cleaning of silicon wafer, pharmaceutical production, etc.

Resistivity (MΩ·cm)



Conductivity (mS/m)

### ◆ Sensing eye576 & 738

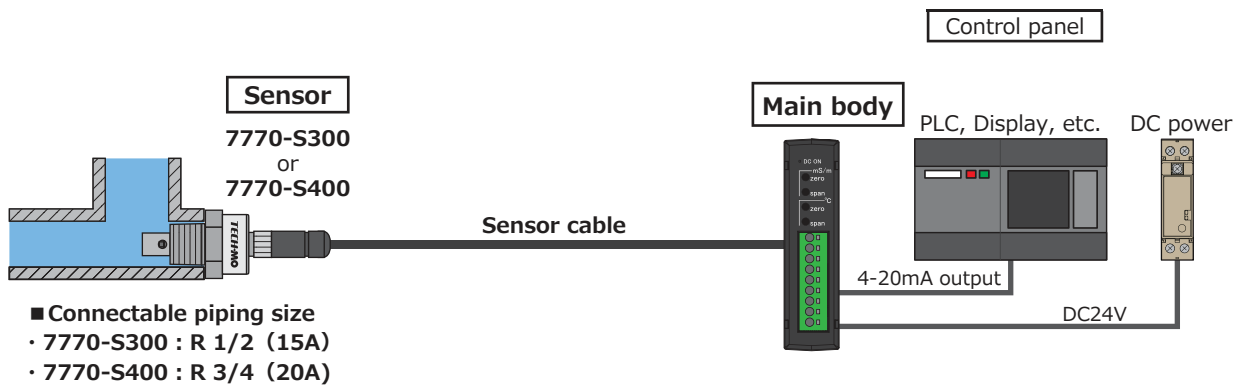
- Measurement range: tap-water, cooling water, etc. can be measured from 0 to 50mS/m.
- Best suited for the monitoring of the circulating water of chiller, raw water for the water purification device, etc.



## Installation example of the equipment

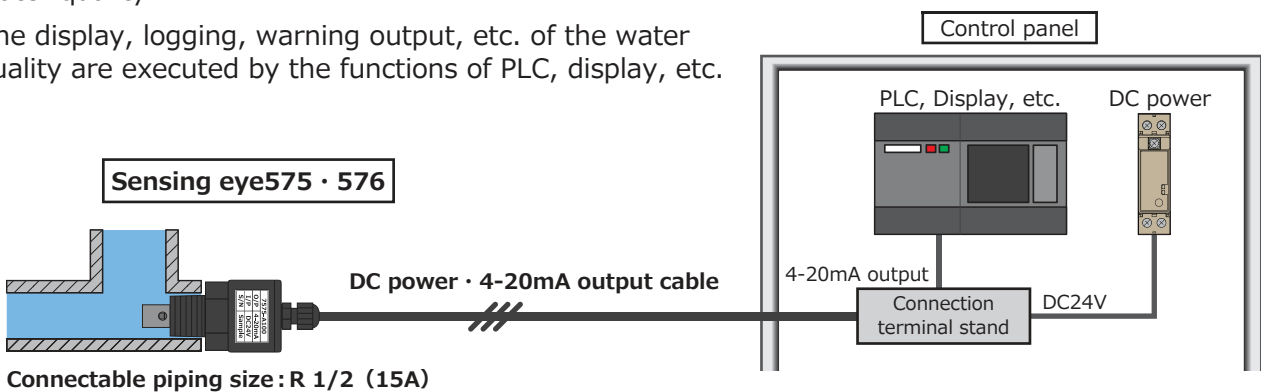
### ◆ Sensing eye737 · 738

- The sensor to take measurement and amplifier containing the external output are separate in Sensing eye737 / 738.
- Fix the main body in the control panel using the DIN rail and screw the sensor into the piping near the measurement point.
- Connect the sensor to the main body with the supplied sensor cable and connect the 4-20mA output of the main body to PLC and the display to measure the water quality.
- The display, logging, warning output, etc. of the water quality are executed by the functions of PLC, display, etc.



### ◆ Sensing eye575 · 576

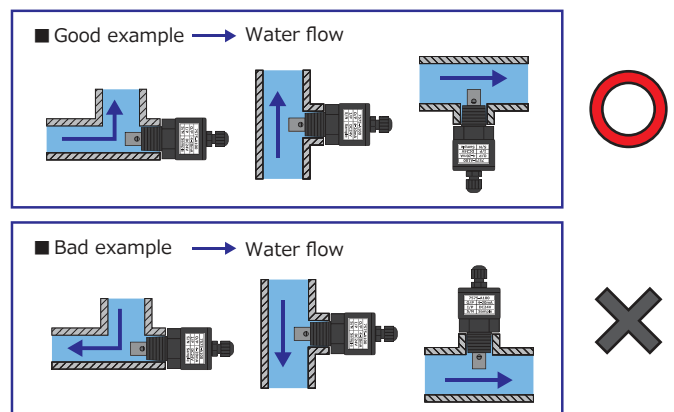
- Sensing eye575 / 576 are water quality meters that have the sensor to take measurement integrated with the amplifier containing the external output.
- Screw the main body into the piping near the measurement point and connect the power and the 4-20mA output cable (3-core cable) of the main body to PLC and the display in order to measure the water quality.
- The display, logging, warning output, etc. of the water quality are executed by the functions of PLC, display, etc.



## Others and items to note during

### ◆ Items to note at the

- The measurements will be affected when bubbles are formed on the sensor electrode part. Install in a place where bubbles are difficult to form using the figure on the right as a reference.
- Water stagnates inside the piping and couplings when the flow rate is low causing the water quality to easily degrade and it may become impossible to take accurate water quality measurements. Therefore, install in a place where the flow rate is **10mℓ/min or more**.



### ◆ Items to note at installation

- Read the "Safety Precautions" carefully in the user's manual, the specification, etc. to properly install and use the equipment.
- Make sure to not install the sensor cable bundled with other power cords. Install it away from power cords by at least 200mm.
- The equipment may be damaged when powered on with the wrong wiring. Make sure to double check the wiring before powering on.
- The 7770-S300 and 7770-S400 sensors are designed with the gauge diameter located deeper than the taper screw for pipes in order to support O ring sheet as well. Therefore, wrap extra seal tape when screwing into the piping and secure it tightly in place.