

Measure turbidity to four decimal places.  
It enables you to monitor the quality of water  
which is good to drink or not.



Ultra Low Turbidity Checker

## TC-Mi

For managers at beverage waterworks and water purification plants.  
TC-Mi provides you with easy and accurate water quality management!

### Easy installation

The compact design containing a deforming enables you to install easily.

### Maintenance cost reduction

A LED light source eliminates the need for replacement.

### High measurement accuracy

The condensation prevention function maintains a stable measurement.

## Applications

Scene 1

### Water intake management

Manage raw water from rivers and wells

Scene 2

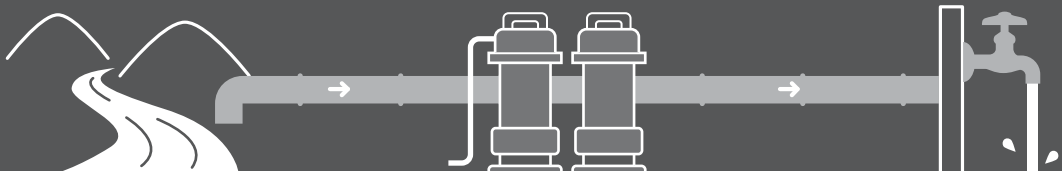
### Detect membrane breakage

Monitor the condition of the membrane unit and detect membrane breakage

Scene 3

### Clean water management

Monitor drinking-water quality



## Accurate and Stable measurement

- Equipped with condensation prevention function
- Built-in deforming tank to remove air bubbles

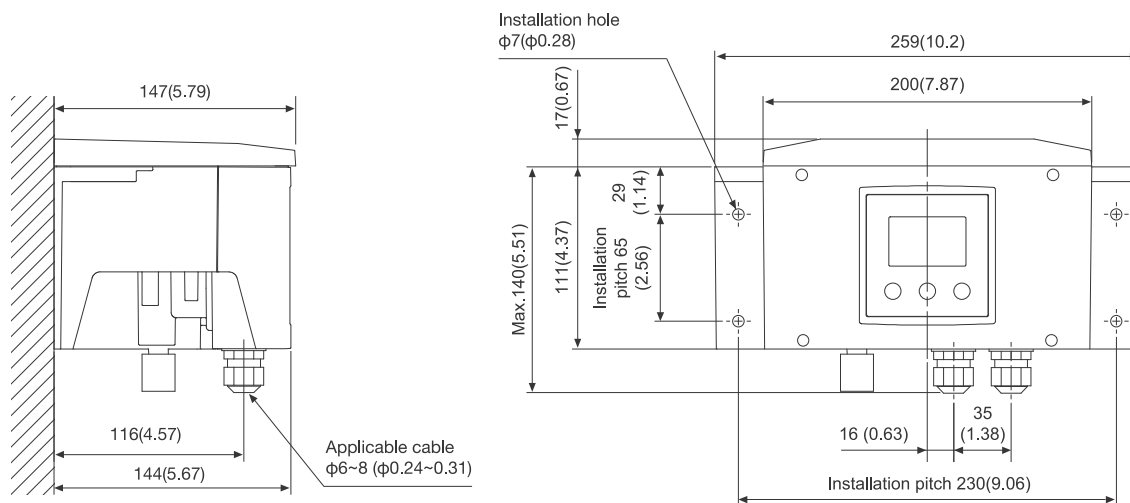
## Low maintenance cost

- No need to use or replace dehumidifier
- Employing a long-life light source

## Water and dust resistance

- High waterproof and dustproof structure to various installation sites

## Dimensions



mm(in)

## Specifications

Ultra Low Turbidity Checker	
Model No.	TC-Mi
Measuring method	90 degree light-scattering method
Light source	LED
Measuring range	0.0001 – 100.00 (NTU/FNU) 0.0010 – 20.000 (deg.: polystyrene standard solution)
Display	LCD monitor
Display resolution	0.0001 – 9.9999NTU: 0.0001NTU 10.000 – 100.00NTU: 0.001NTU
Source voltage	24 VDC $\pm 10\%$
Consumption current	Normal time: 100 mA or less Startup time: 600 mA or less
Digital communication	MODBUS (RS485) TC-Mi protocol (RS485)
Analog output	Signal output (analog 4 – 20 mA, resistance load 300 ohm or less) Self-checking output (open collector)
Measuring water flow rate	100 – 200 mL / min
Measuring water temperature	0 to 40°C (No freezing)
Operating temperature	-20 to +50°C humidity 95%RH or less
Main materials	PP-GF AES SUS316L
Dimension	Approx. 157 (H) x 259 (W) x 147 (D) mm
Weight	Approx. 2 kg
Protective construction	IP65
Option	TC-Mi-FL (Flowmeter)

Note: Specifications and design are subject to change without prior notice.

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