

UV Organic Pollution Monitor

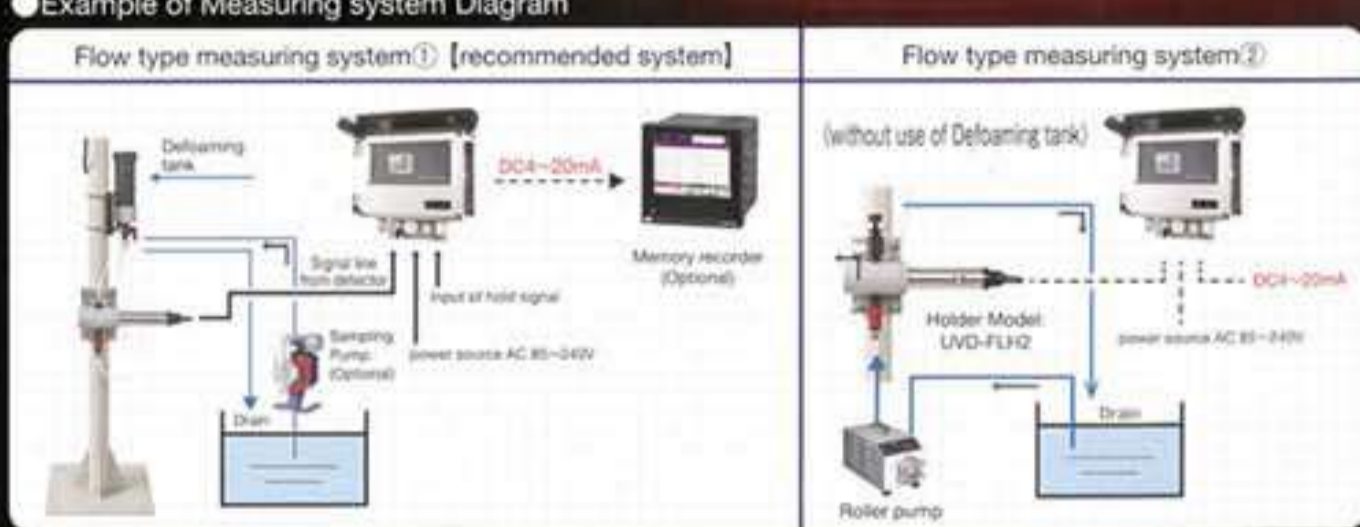
<UV/COD Monitor>



UV-700W

UV Abs. & COD (or BOD)
Converted Value Measurement

● Example of Measuring system Diagram



UV Organic Pollution Monitor

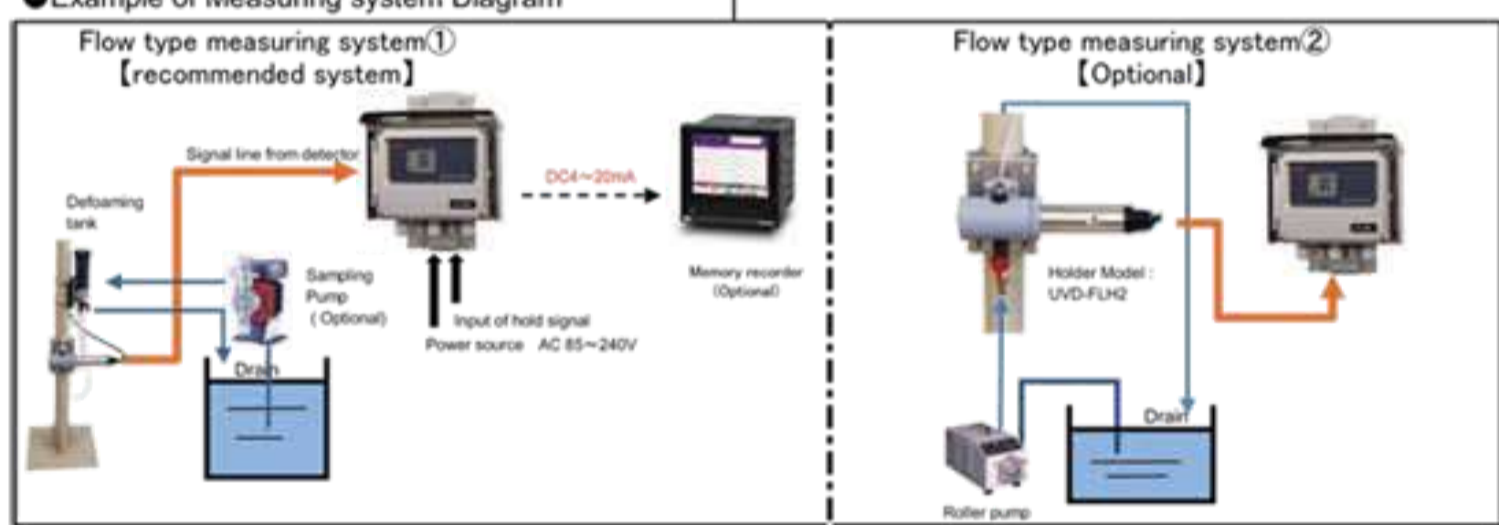
● Measurement of UV Abs. & Converted COD Value



UV-700W

Probe Type UV Sensor
LED wavelength : 255nm

● Example of Measuring system Diagram



UV / LED Organic pollution Monitor

Flow type measuring system ①

Sampling tank of pressurized defoaming effect

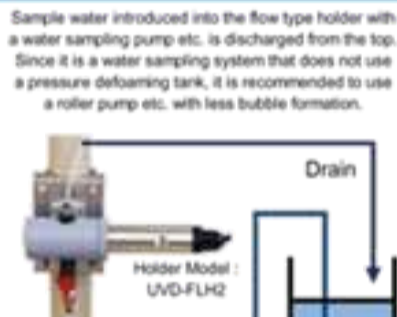
Sample water is introduced into upper defoaming tank with a sampling pump or introduced to lower flow type UV detector using difference of water level, measures light absorbance → drain. Flow type measuring tank (detector) controls bubble outcome as there is always fixed water pressure by difference of water level between defoaming tank.

Sampling tank Model : SAM-T

※Sampling pump is required separately.

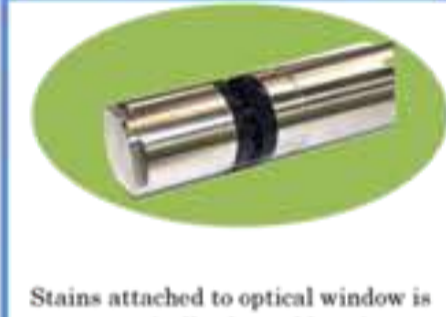
Flow type measuring system ②

Sample water introduced into the flow type holder with a water sampling pump etc. is discharged from the top. Since it is a water sampling system that does not use a pressure defoaming tank, it is recommended to use a roller pump etc. with less bubble formation.

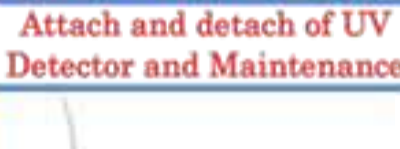


Automatic cleaning wiper is inside

Stains attached to optical window is automatically cleaned by wiper. Optical window is made of strong sapphire.



Attach and detach of UV Detector and Maintenance



Flow type holder : UVD-FLH2

Detach UV detector from flow type holder, easy check up and maintenance

Flow Type Measuring System (Standard) (Recommended system)



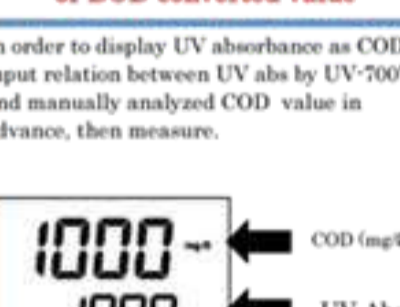
Probe type UV/LED detector

Hg Free 255nm



One monitor displays both UV absorbance and COD or BOD converted value

In order to display UV absorbance as COD, input relation between UV abs by UV-700W and manually analyzed COD value in advance, then measure.



※Be sure to obtain correlation with COD before use. If the correlation is unknown, please use UV absorbance (Abs) as an indicator of organic pollutants.

Filter to check up is attached

Convenient to maintain detector and converter. Easy maintenance of both UV side and IR side



UV Monitor UV-700W

<UV/LED Organic Pollution Monitor>

Dimensions

<p>Flow type system (standard)</p>	<p>Bubble removing /calibration tank unit (standard)</p>	<p>Detector with flow type holder</p> <p>UVD-FLH2 + UVD-255-10</p>
<p>Probe type UV detector</p> <p>UVD-255-10</p>	<p>Converter</p> <p>UV-700W</p>	<p>Immersive type detector measuring system</p> <p>※PVC pipe for immersive type or chains for hanging is sold separately.</p> <p>UVD-LH + UVD-255-10</p>

Measuring example of UV sensor UV-700W

<p>Ultraviolet spectrum of each pure materials</p>	<p>Relation between UV Abs/cm and COD of joint septic tank drain</p>	<p>Relation between UV Abs and COD of sewage treatment plant drain</p>
--	--	--

※Above specifications may be changed without notice for product improvement.