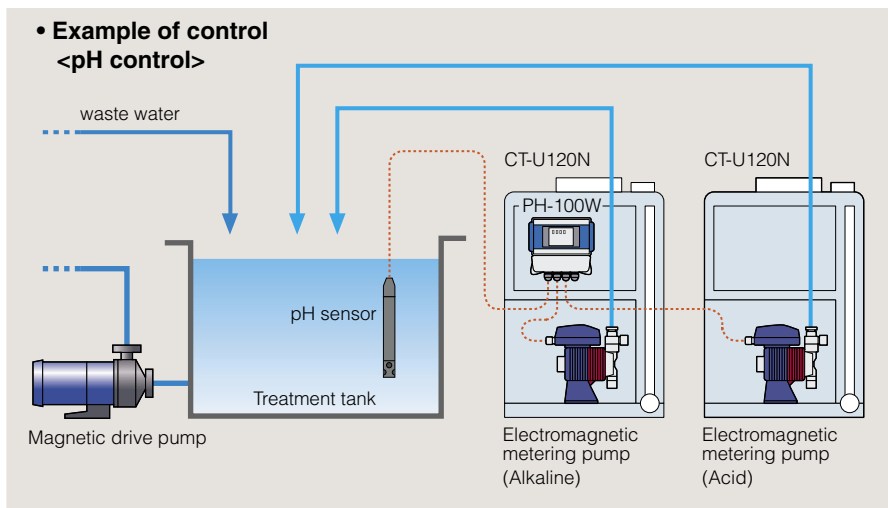


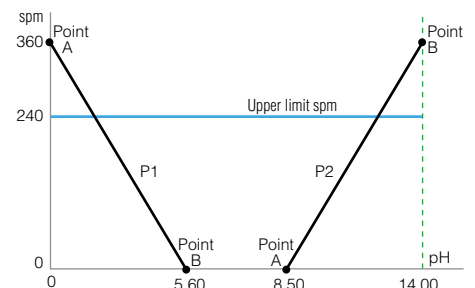
pH/ORP Controller

Advanced controller with a communication function



- Stroke rate of electromagnetic metering pumps (P1, P2) are controlled corresponding to signal of pH sensor
- Point A and B of P1 and P2 can be adjusted optionally.
- Upper limit spm can be set by upper mode setting mode.

Note: pH is replaced with mV for ORP.



- The use of dot matrix system color LCD
- Touch panel contributes to user friendliness
- Equipped with pump control output, alarm output and transmission output (for recording)
- Equipped with an automatic calibration and a sensor diagnosis function
- Includes the RS-485 interface as standard equipment
- Includes logging facility as standard equipment
- Multi-voltage (AC90-240V)



• Specifications

Model	PH-100W	OR-100W
Measuring range	PH0.00 to 14.00 Resolution: 0.01pH	ORP -2000 to 2000mV Resolution: 1mV
Control output	Pulse, Pulse PID control or ON/OFF control No Voltage contact 1NO x 2 (AC/DC 200V 0.2A)	
Transmission output	DC 4 to 20mA (To be set optionally) Load resistance 500Ω or below Isolation type	
Input signal	<ul style="list-style-type: none"> For level switch No Voltage contact input x2 DC 4 to 20 mA 	
Output alarm	Upper limit alarm, Lower limit alarm, Output set point attained, Abnormal sensor signal, Abnormal level signal, Abnormal external signal No Voltage 1NO x 4 (Resistance load AC250V 10A DC30V 10A) Any four items from the 7 items can be set to AL1 to AL4	
Function	Automatic calibration (One point, two points calibration JIS pH4/7/9) Manual calibration (One point, two points calibration) Sensor diagnosis function (Abnormal temp. sensor, Abnormal buffer, Abnormal response speed, Abnormal sensibility, Abnormal asymmetry potential) Error message (Calibration error, Beyond measuring range) Measuring value shift function (±2.00pH)	
Display	Dot matrix system color LCD	
Power source	AC90 to 240V 50/60Hz 25VA	
Insulation resistance	100MΩ or more at DC500V	
Communication function	RS485 interface	
Trend graph	Stores 90 data	

• Model code

PH - 100 W - 			
①	②	③	④
①	Control function PH: pH control OR: ORP control		
②	Series code Series 100		
③	Install method W: Wall mount		
④	Special version code		
• Dimensions in mm			

PH/ORP sensor

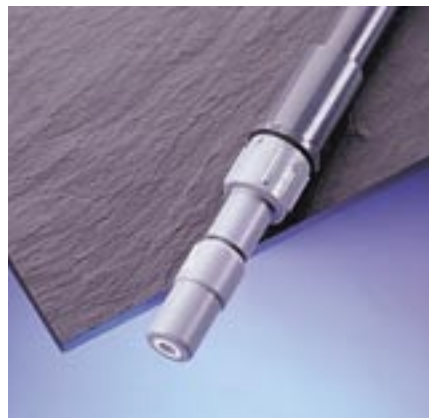
General purpose type

Sensor suitable for use in laboratory and field monitoring



Submersion type

To be mounted in tank



In-line type

Installed on the way of piping.
In-line type and side stream type are available.



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()Country codes

Caution for safety use: Before use of pump, read instruction manual carefully to use the product correctly.
Actual pumps may differ from the photos. Specifications and dimensions are subject to change without prior notice. For further details please contact us.