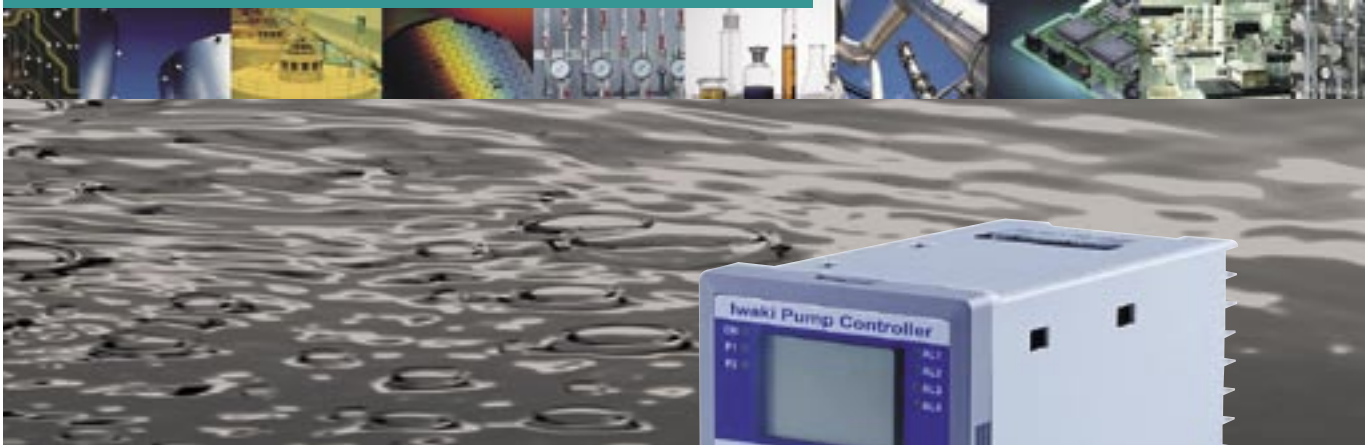


pH/ORP Controller **PH/OR-70P**

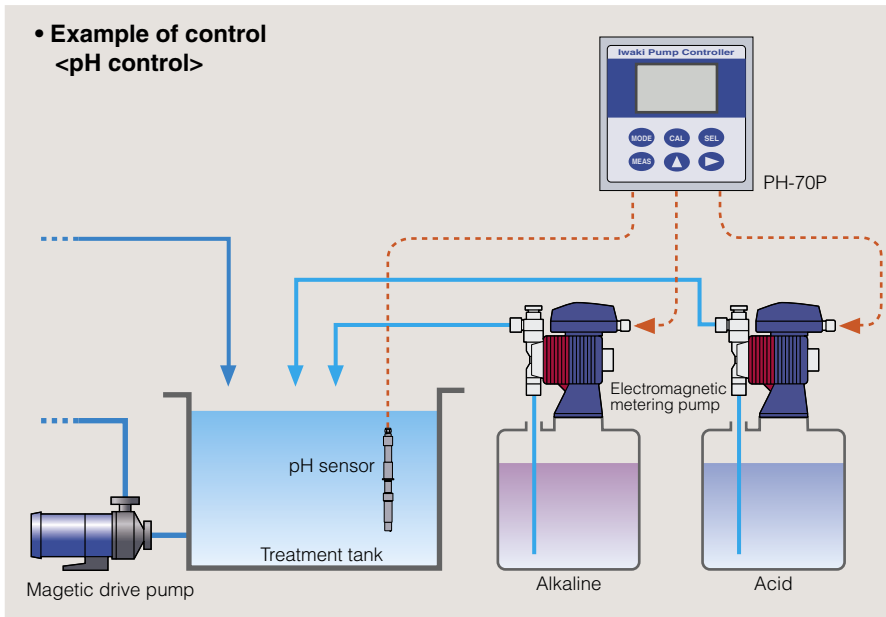


Low cost controller specially designed to control pump



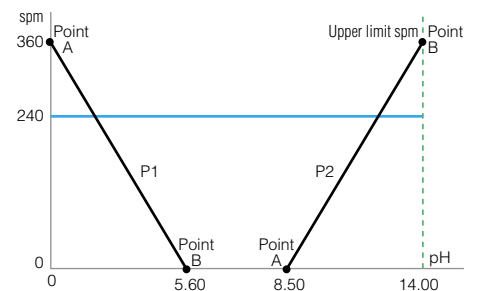
- Low cost design
- Easy to read, large size, custom made LCD (with back light)
- Operation by touch-key
- Equipped with pump control output, alarm output and transmission output (for recording)
- Equipped with automatic calibration and sensor diagnosis function
- Multi vantage (AC90V to 240V)

• Example of control <pH control>



- 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.



• Specifications

Model	PH-70P	OR-70P
Measuring range	PH0.00 to 14.00 Resolution: 0.01pH	ORP 2000mV Resolution: 1mV
Control output	Pulse proportional control or ON/OFF control Potential free contact 1ax 2 (AC/DC 240V 0.1A)	
Transmission output	DC 0 to 20mA (To be set optionally) Load resistance 500 or below Insulation type	
Input signal	For pump stop Potential free contact input x1	
Output signal	Upper limit alarm, Lower limit alarm, Output set point attained Potential free 1ax 4 (Resistance load AC250V 10A DC30V 10A) To select either one of Upper limit/lower limit or output set point attained	
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 (pH2.00)	
Display	Custom made LCD (LED with back light)	
Power source	AC90 to 240V 50/60Hz 25VA	
Insulation resistance	100M at DC500V	

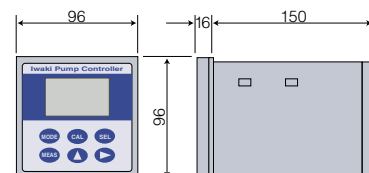
• Model code

PH - 70 P - □ □

① ② ③ ④

- ① Control function
PH: pH control
OR: ORP control
- ② Series code
Series 70
- ③ Install method
P: Panel mount
- ④ Special version code

• Dimensions in mm



PH/ORP sensor

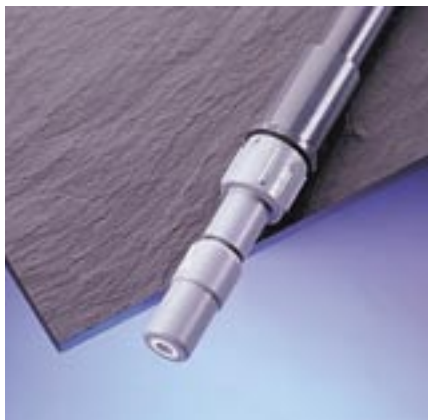
General purpose type

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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Taiwan : IWAKI Pumps Taiwan Co., Ltd.	TEL: (886)2 8227 6900	FAX: 2 8227 6818
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Vietnam : IWAKI Pumps Vietnam Co., Ltd.	TEL: (84)613 933456	FAX: 613 933399

()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.