



AE-PH Series

Online Digital PH Controller

AE-PH8000/ 8100/ 8200/ 8300/ 8500

Product Description

Feature of Online digital pH Controller :

1. Application : For monitoring of Industrial Process, Waste water measurements, Pharmaceutical, Chemical and Food & Beverage industries;
2. Panel or Wall mounts Enclosures, NEMA4X, IP65 waterproof, dust proof;
3. Provide precise measurement at industrial site or water treatment process;
4. Symmetric signal output interface , preventing electromagnetic interference;
5. Scaleable isolated output: 0/4~20 mA;
6. Two level password protections prevent unauthorized tampering of setting;
7. Large LCD, with orange backlight;
8. Two separate mechanical relays for high and low (HH/HL/LL) set points or delay time;
9. Separately adjustable high and low set-point hysteresis (dead bands) prevent chattering of relays around the set point;
10. The third mechanical relays for electrode self-cleaning or alarm.



Technical Specifications of Online digital pH Controller:

Model	AE-PH8000	AE-PH8300	AE-PH8500
pH Range	-2.00~16.00pH	-2.00~16.00pH	-2.00~16.00pH
Resolution / Accuracy	0.01pH / ±0.01pH	0.01pH / ±0.01pH	0.01pH / ±0.01pH
pH Standard Buffer	USA / NIST	USA / NIST	USA / NIST
pH Calibration	1 or 2 point	1 or 2 point	1 or 2 point
ORP Range	-2000~2000mV	-2000~2000mV	-2000~2000mV
Resolution	1mV	1mV	1mV
Accuracy	±1mV	±1mV	±1mV
Temperature Range	-9.9~130.0°C	-9.9~130.0°C	-9.9~130.0°C
Resolution / Accuracy	0.1°C / ±0.5°C	0.1°C / ±0.5°C	0.1°C / ±0.5°C
Temperature Sensor	PT1000	PT1000	PT1000
Temperature Compensation	ATC Automatic / MTC Manual	ATC Automatic / MTC Manual	ATC Automatic / MTC Manual
pH Electrode	Standard pH or Antimony electrode	Standard pH or Antimony electrode	Standard pH or Antimony electrode
Signal Input	Symmetrical / Asymmetrical	Symmetrical / Asymmetrical	Symmetrical / Asymmetrical
Signal Output / Load	0 / 4~20mA / 600Ω	0 / 4~20mA / 600Ω	0 / 4~20mA / 600Ω
Output Interface	—	RS-485	RS-485
Relay Specification	2 SPST / 250V 1A	3 SPST / 250V 1A	3 SPST / 250V 1A
Frequency of Cleaning Time	—	1~999hours / 1~999sec	1~999hours / 1~999sec
Control hysteresis band	0.01~2.00pH / 1~200mV	0.01~2.00pH / 1~200mV	0.01~2.00pH / 1~200mV
EMC Standard	EN 50081-1 / EN50082-1	EN 50081-1 / EN50082-1	EN 50081-1 / EN50082-1
Operation Temperature	-10~50°C (14~122°F)	-10~50°C (14~122°F)	-10~50°C (14~122°F)
Operation Humidity	10~95%	10~95%	10~95%
Power Supply	220/110VAC	220/110VAC	220/110VAC
Size / Weight	100x108x150mm/900g	100x108x150mm/900g	190x160x133mm/1.5K

Model	AE-PH8000	AE-PH8100	AE-PH8200	AE-PH8300	AE-PH8500
Type	Embedded PH	Embedded PH	Wall-Mounts PH	Embedded PH	Wall-Mounts PH
relay specifications	2 relays/250V,1A	3 relays/250V,1A	3 relays/250V,1A	3 relays/250V,1A	3 relays/250V,1A
Output interface	0/4-20mA Output	0/4-20mA Output	0/4-20mA Output	0/4-20mA/RS485 Output	0/4-20mA/RS485 Output