

## CREATE ROC pH/ORP-8500A pH/ORP Online Meter



### Application:

Widely used for online pH/ORP measurement in chemical process, oil refining, metallurgy, pharmacy, chemical synthesis industrial /sewage water treatment, environment monitoring, agricultural technology, biological fermentation, industrial coating and etc.

### ➤ Characteristics:

- ✚ Integrated pH/ORP and temperature measuring and pH compensation;
- ✚ Be compatible for six kinds of buffer solution which suitable for international standard;
- ✚ Automatic/manual temperature compensation function. The meter temperature range could up to 100°C;
- ✚ It has pointers, numbers and colors with space-time concept and can display forms;
- ✚ 3.5 inch 320×240 TFT color screen, Virtual pointer or Digital style interface display. Multi-parameter display;
- ✚ Touch key, humanized operation, language, and facilitated the menu;
- ✚ RS485 MODBUS-RTU protocol.
- ✚ Double channels (4-20)mA instrument/transmitter mode for selection;
- ✚ Photoelectric switch could set (pH/ORP output/temperature output/ timing output /pH PID adjustment. It can drive pulse metering pump or extension control;
- ✚ EMC design with better ability on anti-interference;
- ✚ Calendar function which can set timing and reserved timing;
- ✚ With the CE Certification.

➤ Main technical features:

Model No.	pH/ORP-8500A pH/ORP Online Meter		
Measurement Parameter	Range	Resolution	Accuracy
pH	0.00 ~14.00	0.01	±0.1
ORP	(-1999 ~ +1999) mV	0.1mV	±5mV (Indicator)
Temperature	(0.0 ~ 100.0) °C	0.1	±0.5
Medium	(0.0~50.0) °C		
Temperature components	Pt1000 temperature components		
(4~20) mA Analog Output	Channels	Double channels	
	Features	Isolated, adjustable, reversible, 4-20MA output, instruments/ transmitter mode.	
	Loop Resistance	400Ω (max) , DC 24V	
	Resolution	±0.1mA	
Control Output	Channels	Triple channels	
	Contact	Photoelectric relay output	
	Programmable	Programmable (temperature、pH/ORP) output	
	Features	Could set pH/ORP/ temperature/ timing. NO/NC/pH PID selection	
	Resistance load	50mA (max) AC/DC 30V	
Communication Port	RS485, modbus protocol		
Power Supply	DC 24V±4V		
Consumption	<5.5W		
Working Environment	Temperature: (0~50) °C Relative Humidity : ≤85%RH( non- condensing )		
Storage Environment	Temperature : (-20~60)°C Relative Humidity: ≤85%RH(non- condensing)		
Protection Level	IP65 (with rear cover)		
Dimension	96mm ×96 mm ×94mm (H×W×D)		
Hole Size	91mm×91mm (H×W)		
Installation	Panel Mounted, Fast installation		