Online pH/ORP Meter

Model: PHG-2081Pro

Built-in A/D conversion module, compatible with a variety of analog signal electrodes. Complete functions, stable performance, easy operation, low power consumption, safety and reliability are the outstanding advantages of this instrument. This instrument is equipped with RS485 transmission interface, which can be connected to the host computer through ModbusRTU protocol to realize monitoring and recording. It can be widely used in industrial occasions such as thermal power generation, chemical industry, metallurgy, environmental protection, pharmaceutical, biochemical, food and tap water.

Technical Parameters

Specification	PHG-2081Pro
Measurement	pH/ORP/Temperature
Measuring range	-2 ~16 pH,-2000 ~2000 mV,-30 ~130 ℃
Accuracy	±0.05pH ±0.5℃
Shell material	ABS plastic
Power supply	90 – 260V AC 50/60Hz
Consumption	4W
Output	Two ways 4-20mA output,RS485
Relay	ThreeRelays:5A/250VAC 5A/30VDC
Temp. Comp.	PT1000/NTC10K
Communication	RS485 Modbus RTU
Production	IP65
Dimension	Instrument:144×144×104mm,Hole size:138*138mm
Data logger	1000times

Selection of Online pH Sensor

Item	Antimony pH Sensor	Waste water pH Sensor		ORP Sensor	Glass pH Sensor
Model	PH8011	PH8010	PH8012	ORP8083	GPE100
Range	0-14pH			0-±2000mV	0-14pH
Temperature range	0-60℃				
Thermistor	Null	Null	2.252K. 10K,PT1000		
Pressure	0.3Mpa				
Sensor membrane	Antimony	Glassball		Platinumplate (ring)	Glass
Housing	PPS/PC/PTFE				Glass
Connection	UpperandLower3/4NPT				PG13.5
Cable	Standard5meters(extended)				
Application	Hydrofluoric acidorfluoride liquid	Chemicalindustry, metallurgy, environmentalprotection, foodandtapwater		Tapwater, swimmingpool, chemicalindustry	Chemicalindustry, environmental protection,food and tap water

Item	Waste Water Glass pH Sensor	Desulfurization pH Sensor	Pure Water pH Sensor
Model	CPH600	CPH809X	CPH800
Range	0-14pH		
Temperaturerange	0-95°C		0-60
Pressure	0.4Mpa	0.6Mpa	0.3Mpa
Connection	PG13.5	Upper and Lower 3/4NPT	PG13.5
Size	12x120,150mm 210mm	250X350mm	12X120mm
Housing	Glass	PPS	Glass（Grind）
Cable	Standard 5 meters (customizable)		
Application	Online monitoring of chemicals, online de-marking, dyes, pigments, mining, pulp mills, sugar, highly viscous suspensions, emulsions, protein,etc.	Used for pH measurement in various industrial waste water, environmental protection water treatment,flue gas desulfurization	Online monitoring of chemicals, online de-marking, dyes, pigments, mining, pulp mills, sugar, highly viscous suspensions, emulsions, protein,etc.

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Selection of Online pH Sensor

Model	PH8000	PH8020	PH8022	CPH810X
Range	0-14pH			
Temperaturerange	0-60°C			
Thermistor	2.252K Pt1000	Null	2.252K, 10K PtWOO	2.252K, 10K PtWOO
Pressure	0.3Mpa			
Zero point	E°=7pH ± 0.2			
Connection	Rotation lock and 3/NNPT	Upper and Lower 3/4NPT		Upper and Lower 3/4NPT
Housing	PPS/PC/ PTFE	PPS/PC/PTFE		PPS
Application	Thermal power plants, medicine, chemicals, steel			
Cable	Standard 5 meters (customizable)			

Selection of Online pH Sensor

Model	pH5806/S8	pH5806/K8S	pH5806/VP	pH5806/5M	pH5805
Range	0~14pH				
Temp	0~130C				
Connection	AS9	AK9	VP	withcable	S7/VP
Dimension	12mm*120/150/225/325mm				12mm*120/150/200/250/450
Temp.Comp	NO	NO	YES	YES	NO/YES
Application	Fermentation tank,biotechnology,pharmaceutical industry, food and beverage technology , starch paste etc.				