

GWQ-PH/ORP



DESCRIPTION

The PH controller is one of the intelligent online chemical analysis instruments. It can continuously monitor the data and realize remote transmission monitoring and recording through the transmission output connection recorder. It can also be connected to the RS485 interface. It can be easily connected to the computer through the MODBUS-RTU protocol. Monitoring and recording. It is widely used in continuous monitoring of PH value or ORP value and temperature in solutions such as thermal power, chemical fertilizer, metallurgy, environmental protection, pharmaceutical, biochemical, food and tap water.

PARAMETERS

Parameters			
Model	GWQ-pH2.0	GWQ-pH4.0	GWQ-pH6.0
Screen size	2.4 inch LCD(128*64)		
Measuring range	PH: 0~14pH ORP: ±1000mV (large range can be customized)	PH: 0~14pH ORP: ±1900mV	PH: 0~14pH ORP: ±2000mV
Accuracy	PH: ±0.02pH, ORP: ±1mV		
Resolution	PH: 0.01pH, ORP: 1mV		
Stability (24h)	PH: ≤0.02pH, ORP: ≤3mV		
input resistance	≥10 ¹² Ω		
Temperature measurement range	0~100℃	0~100℃	-10~+130℃
Temperature measurement accuracy	±0.5℃		
Temperature compensation	Manual / Auto (NTC10K)	Manual / Auto (NTC10K)	Manual / Auto (NTC10K / Pt1000)
Power supply	220VAC±10% 50Hz		
Relay alarm	High and low limit alarms each group (3A/250VAC), normally open contact relay		
communication	RS485 (compatible with MODBUS RTU)		
Transmitting function	Can be set to isolate 4-20mA output, maximum loop 750 Ω, 0.1% FS		
Dimensions (mm)	96*96*110	97*97*130	100*100*150
Opening size (mm)	92*92	92.5*92.5	92.5*92.5

TYPE SELECTION








GWQ-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Measurement parameter	PH						0~14pH
Model	2.0						Chinese interface, can be customized English
	4.0						Chinese interface, can be customized English
	6.0						Chinese and English operation interface
Signal communication	S1						4-20mA
	S2						4-20mA,RS485
Electrode type	511						Composite electrode(0~60℃)
	520						Pure water electrode(0~60℃)
	513						PTFE electrode(0~90℃)
	541						High temperature electrode(0~90℃)
	530						Desulfurization electrode(0~60℃)
	550						High temperature sterilization electrode (0~130℃)
	620						Imported electrode(-5~+80℃)
Q						Special electrodes can be customized	
Temperature compensation	T0						No
	T1						Yes
Lead length	W0						5m(standard)
	W1						Customized(≤50m)

Eg:GWQ-pH6.0S1511T0W0

GWQ-pH6.0 controller, 4-20mA output, Composite electrode, no temperature compensation, lead length 5m,

Attachment: pH electrode selection table

Note: Special electrodes can be customized

Parameters							
Model	GEC-pH511	GEC-pH513	GEC-pH520	GEC-pH530	GEC-pH541	GEC-pH550	GEC-pH620
Measuring range	0-14pH	0-14pH	0-14pH	0-14pH	0-14pH	0-14pH	0-14pH
Temperature range	0~60℃	0~90℃	0~60℃	0~60℃	0~90℃	0~130℃	-5~+80℃
Thermistor	NTC10K PT1000	NTC10K PT1000	NTC10K PT1000	NTC10K PT1000	NTC10K PT1000	NTC10K PT1000	/
Withstand voltage	0.3Mpa	0.3Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Slope (25℃)	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%	≥97%
Zero potential	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2	E0=7pH±0.2
Thread	3/4NPT	3/4NPT	3/4NPT	3/4NPT	PG13.5mm	PG13.5mm	PG13.5mm
Shell material	PPS/PC	PTFE	PPS/PC/PTFE	PPS/PC/PTFE	Glass	Glass	PC
Application range	Chemical, metallurgical, environmental protection, food, tap water	Industrial wastewater, acid-base neutralization, strong acid and alkali, heavy polluted water	Industrial circulating water, chemical pure water, thermal power plants, medicine and other industries	Desulfurization and denitrification, mineral pulp, and multi-suspended water quality	Strong acid and alkali, corrosive working conditions, electroplating industry	Fermenter, biotechnology, pharmaceutical industry, food diet, starch slurry	Industrial wastewater, environmentally friendly water treatment, swimming pools aquaculture water
Cable	Standard 5m (can be customized)						