

GWQ-pH/ORP Controller

Product Manual



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-pH2.2	GWQ-pH6.0
Screen size	3.2 inch LCD	2.8 inch LCD
Measuring range	pH: 0~14pH ORP: ±1000mV (large range can be customized)	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	-10~+130°C	
Temperature measurement accuracy	±0.5°C	
Temperature compensation	Manual/Auto(NTC10K)	Manual/Auto(NTC10K / Pt1000)
Current output	Isolated, 4~20mA, maximum loop is 750Ω , ± 0.2%FS	
Communication	RS485(Optional)	Rs485
Relay alarm	High and low limit alarms each group (3A/250VAC), normally open contact relay	
Power supply	220VAC±10% 50Hz	
Dimensions (mm)	96*96*113	100*100*150
Opening size (mm)	92*92	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		2.2					Chinese interface, can be customized English
		6.0					Chinese and English operation interface
Signal communication			S1				4-20mA(only pH2.2)
			S2				4-20mA,RS485
Electrode type				512			Composite electrode (0 ~ 60°C)
				513			PTFE electrode (0 ~ 60°C)
				541			High temperature electrode (0 ~ 90°C)

GWQ-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Electrode type				515			Customized High temperature electrode (0 ~ 130°C)
				550			High temperature sterilization electrode (0 ~ 130°C)
				512A			Composite pure water electrode (0 ~ 60°C)
				510			High temperature pure water electrode (0 ~ 130°C)
				Q			Special electrodes can be customized
Temperature compensation					T0		No
					T1		Yes
Lead length					W0		5m(standard)
					W1		Customized(≤50m)

Eg:GWQ-pH6.0S1512T0W0

GWQ-pH6.0S1512T0W0

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