

GWQ-EC300



Backlight



Isolated output



RS485



ATC(°C)



Relay alarm



WDT



FEATURES

1. Multi-parameter display: simultaneously displaying the conductivity, output current, temperature, time and status.
2. Isolated transmission output, the interference is smaller .
3. Isolated RS485 communication .
4. Automatic temperature compensation function.
5. Watchdog program prevents the instrument from crashing.
6. Set the LCD backlight switch function .
7. Protection grade IP65
8. Measurement range is automatically converted .

DESCRIPTION

EC300 conductivity meter is an intelligent one-line chemical analysis equipment, widely used in continuous monitoring of temperature and conductivity value of the solution in thermal power, chemical fertilizer, metallurgy, environmental protection, pharmaceutical, biochemical, food and running water and so on. The continuous monitoring data is realized by remote transmission monitoring and recording through the transmission output connection recorder. It can also be connected to the RS485 interface and can be easily connected to the computer for monitoring and recording through the MODBUS-RTU protocol.

Conductivity meter coupled to the electrode constant of 1.0 or 10.0 measurable general liquid; coupled with an electrode of 0.1 or 0.01, can accurately measure the conductivity of pure water or ultrapure water, especially suitable for steam power plants and boiler feed water On-line continuous monitoring of conductivity of high purity water such as condensate.

PARAMETERS

Controller technical parameters

Model	GWQ-EC300
Measuring range	0.01~20uS/cm (with K=0.01 electrode) 0.1~200uS/cm (with K=0.1 electrode) 1.0~2000uS/cm (with K=1.0 electrode) 10~20000uS/cm (with K=10.0 electrode) 30~600mS/cm (with K=30.0 electrode)
Accuracy	±1%FS
Resolution	0.01uS/cm
Repeatability	±0.2%FS
Temperature measurement range	0~100℃
Resolution (temperature)	0.1℃
Accuracy (temperature)	±0.5℃
Power supply	AC220V±20V, 50Hz±1Hz
Relay alarm	220VAC/3A
Communication	RS485 (compatible with MODBUS RTU)
Transmitting function	Isolated transmission 4-20mA output, maximum loop 750 Ω, ≤ ±1% FS
Dimensions (mm)	146*146*150
Opening size(mm)	138*138
Cable length	Standard 5m (cable length ≤25m)

Electrode technical parameters

Model	Electrode constant K	Measuring range	Material	Connection	Note
GEC-EC0.01	0.01	0.01~20uS/cm	316L、Titanium alloy	Hard pipe / hose /flange The pipe diameters are : Φ 6 , Φ 8 , Φ12 , etc.	Flow tight measurement
GEC-EC0.1	0.1	0.1~200uS/cm	316L、Titanium alloy	Hard pipe / hose /flange The pipe diameters are : Φ 6 , Φ 8 , Φ12 , etc.	3/4 thread or flow cell
GEC-EC1.0	1.0	1~2000uS/cm	316L、Titanium alloy	3/4 thread	3/4 thread or flow cell
GEC-EC10.0	10.0	10~20000uS/cm	316L、Polysulfone	1/2、3/4 thread	3/4 thread or flow cell
GEC-EC30.0	30.0	30~600mS/cm	Polysulfone	3/4 thread	3/4 thread or flow cell

TYPE SELECTION

GWQ-EC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Model	300				CN or EN
Electrode type	0.01				0.01~20uS/cm
	0.1				0.1~200uS/cm
	1.0				1.0~2000uS/cm
	10.0				10~20000uS/cm
	30.0				30~600mS/cm
Electrode mounting	Z				Bracket (standard)
	L				Flow cell (0.01 electrode required)
	K				Clamp (only for 0.01 and 0.1electrodes)
Cable length	W0				5m(standard)
	W1				Customized(≤25m)

For example: GWQ-EC3000.01ZW0

GWQ-EC300 conductivity meter, 0.01 electrode, Electrode bracket mounting, cable 5m

Note:If you choose to install the electrode in the flow cell, you need to inform the inlet and outlet pipes that it is a hose or a hard pipe, and the diameter of the water pipe (φ6, φ8, φ12, etc.)