

# CONDUCTIVITY METER

## Product Manual



## DESCRIPTION

EC200 Conductivity-line analyzer is one of a smart online chemical analysis equipment, widely used in thermal power, chemical fertilizer, metallurgy, environmental protection, pharmaceutical, biochemical, food and tap water and other solution EC value, TDS and temperature values Continuous monitoring . The continuous monitoring data is connected to the recorder through the transmission output to realize remote monitoring and recording. 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.

## FEATURES



EC/TDS



Isolated output



Backlight



ATC(°C)



Relay alarm



WDT







- Multi-parameter display: simultaneously displaying EC/TDS, output current and temperature.
- Isolated transmission output, the interference is smaller .
- Isolated RS485 communication .
- Automatic temperature compensation function.
- Watchdog program prevents the instrument from crashing.
- Set the LCD backlight switch function .
- Protection grade IP54
- Two-way relay, can control EC (TDS) and temperature at the same time.

## PARAMETERS

## Controller technical parameters

Item	
Model	GWQ-EC200
Measuring range	0.02 ~ 20uS/cm ( with K=0.01 electrode ) 0.2 ~ 200uS/cm ( with K=0.1 electrode ) 2.0 ~ 2000uS/cm ( with K=1.0 electrode ) 20 ~ 20000uS/cm ( with K=10 electrode )
Measuring range	0.01 ~ 10ppm ( with K=0.01 electrode ) 0.1 ~ 100ppm ( with K=0.1 electrode ) 1.0 ~ 1000ppm ( with K=1.0 electrode ) 10 ~ 10000ppm ( with K=10 electrode )
Accuracy	±2%FS
Temperature range	-10 ~ +130°C
Accuracy ( temperature )	±0.5°C
Relay alarm	250VAC/3A
Current Output	Isolated transmission 4-20mA output, maximum loop 750Ω, ≤±0.2%FS
Communication	RS485 (compatible with MODBUS RTU)
Dimensions (mm)	100*100*150
Opening size (mm)	92.5*92.5
Weight	0.65Kg
Power supply	AC220V±10%, 50Hz

## Electrode technical parameters

Item				
Model	GEC-EC0.01L	GEC-EC0.1L	GEC-EC1.0L	GEC-EC10.0L
Electrode constant(K)	0.01	0.1	1.0	10.0
Measuring range(EC)	0.02 ~ 20uS/cm	0.2 ~ 200uS/cm	2.0 ~ 2000uS/cm	20 ~ 20000uS/cm
Measuring range(TDS)	0.01 ~ 10ppm	0.1 ~ 100ppm	1.0 ~ 1000ppm	10 ~ 10000ppm
Connection method	1/2NPT	1/2NPT	1/2NPT	3/4NPT
Material	304SS	304SS	304SS	Polysulfone
Cable	5m(Standard)	5m(Standard)	5m(Standard)	5m(Standard)
Application	Pure water, ultrapure water	Drinking water	River and raw water	Sewage