

# Multi-parameter Meter

## Product Manual



## DESCRIPTION

GWQ-MP100 Online Multi-parameter Meter has the characteristics of high stability, superior repeat performance and multi-function, and can accurately measure multiple parameters in the solution. It is widely used in: environmental protection, sewage treatment, thermal power, breeding, food processing, printing, metallurgy, pharmaceutical, fermentation, chemical, tap water and other solutions PH, residual chlorine, turbidity value, electrical conductivity, dissolved oxygen online detection.

## FEATURES

- Multi-channel combination
- Can monitoring 1~6 parameters at the same time
- Recoverable factory setting, Watchdog function
- RS-485(MODBUS is partially compatible)
- Installation Wall mounting, Protection grade Ip65



## PARAMETERS

Measuring range	pH: 0~14pH
	ORP: ±1999mV
	Conductivity: 0~20ms/cm
	Dissolved Oxygen: 0~20mg/L
	Turbidity: 0~10000NTU
	Residual Chlorine: 0~20mg/L
	Suspension Solid: 0~10000mg/L
Accuracy	pH: ±0.02pH
	ORP: ±1mV
	Conductivity: ±2%F.S
	Dissolved Oxygen: ±1%F.S
	Turbidity: ±2%F.S
	Residual Chlorine: ±2%F.S
	Suspension Solid: ±2%F.S
Temperature compensation (standard)	0~60°C
Temperature accuracy	±0.3°C
Output (standard)	1 way 4-20mA
Communication (standard)	1 way RS485(Modbus)
Relay alarm (standard)	4 way relays (2 high and low alarms each)
Power supply	24VDC/220VAC
Protection grade	IP65
Installation	Host: wall mount; Electrode: thread, immersion (depending on the type of electrode)
Host Size	218×183×126mm

**TYPE SELECTION**

GWQ-MP100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Measuring (note 1)	PH			pH: 0 ~ 14pH
	ORP			ORP: ±1999mV
	EC(K <sup>**</sup> )			Conductivity: 0 ~ 20ms/cm (note 2)
	DO			Dissolved Oxygen: 0 ~ 20mg/L
	TUR(**)			Turbidity: 0 ~ 10000NTU (note 3)
	CL			Residual Chlorine: 0 ~ 20mg/L
	SS(**)			Suspension Solid: 0 ~ 10000mg/L (note 4)
Power supply		24		24VDC
		220		220VAC
Cable length (note 5)			05	5m(standard)
			**	Customized

**NOTE:**

1. The multi-parameter water quality analyzer can select any six parameters at most.
2. The conventional maximum range of conductivity is 20ms/cm, and the maximum can be customized to 300ms/cm. The corresponding electrode should be selected according to the actual range. K0.01: 0-20us/cm; K0.1: 0-200us/cm; K1.0: 0-2000us/cm; K10.0: 0-20000us/cm.
3. The actual range of turbidity needs to be confirmed. The turbidity range is usually 0-10/50/500/5000/10000NTU.
4. The actual range of suspended solids concentration needs to be confirmed. The normal range of suspended solids concentration is 0-200/10000mg/L.
5. The cable length of a single electrode can be customized.

Example: GWQ-MP100-pH-ORP-EC(K1.0)-DO-TUR(500)-SS(200)-24-05

GWQ-MP100 Multi-parameter, pH: 0 ~ 14pH, ORP: ±1999mV, Conductivity: 0 ~ 2000us/cm, Dissolved Oxygen: 0 ~ 20mg/L, Turbidity: 0 ~ 500NTU, Suspension Solid: 0 ~ 200mg/L, 24VDC Power supply, Cable length 5m, With temperature compensation, RS485 communication.