

Dissolved Oxygen Meter



GWQ-DO



DESCRIPTION



Dissolved Oxygen Meter is one of the intelligent online chemical analysis instruments. It is widely used in continuous monitoring of dissolved oxygen, saturation, oxygen partial pressure and temperature in thermal power, chemical fertilizer, metallurgy, environmental protection, pharmaceutical, biochemical, food and tap water solutions. 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.

FEATURES

- 1、2.8 inch LCD (128*64)
- 2、Isolated transmission output, less interference
- 3、Isolated RS485 communication
- 4、Can do DO / SAT / OPP measurement, temperature measurement, upper and lower limit control, transmission output, RS485 communication
- 5、Configurable temperature manual, automatic compensation function
- 6、Can set high and low alarm function, and hysteresis
- 7、LCD backlight switch function
- 8、Select language, currently supports Chinese and English
- 9、Can be zero oxygen and full scale calibration



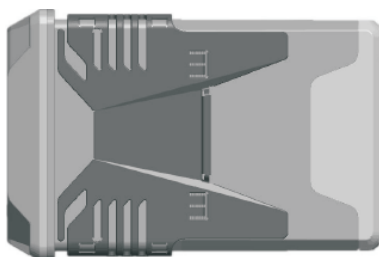
PARAMETERS

Item		
Model	GWQ-DO280	GWQ-DO290
Measuring principle	Membrane (polarography)	Fluorescence method
Screen size	2.8 inch(128*64)	
Measuring range	Oxygen content: 0~20mg/L Saturation: 0~200% Oxygen partial pressure: 0~400hPa	Oxygen content: 0~20mg/L Saturation: 0~200%
Accuracy	±1.5%FS	±3%FS
Resolution	Oxygen content: 0.01mg/L Saturation: 0.1% Oxygen partial pressure: 1hPa	Oxygen content: 0.01mg/L Saturation: 0.1%
Repeatability	±0.5%FS	
Temperature measurement range	-10~+60℃	0~45℃
Resolution(temperature)	0.1℃	
Correction accuracy (temperature)	±0.5℃	
Temperature measurement type	Manual/Auto(NTC10K / PT1000)	
Power supply	AC220V±10%, 50Hz/60Hz	
Relay alarm	250VAC/3A	
Communication	RS485(compatible with MODBUS RTU)	
Transmitting function	Isolated transmission 4-20mA output, maximum loop 750Ω, 0.1% FS	
Dimensions(mm)	100*100*150	
Opening size(mm)	92.5*92.5	
Language selection	Chinese and English switching	
Supporting electrode	GEC-DO2801	GGEC-DO2901(for fresh water) GEC-DO2902(for sea water)
Cable length	Standard 10m (cable length ≤30m)	

INSTALLATION

1.1 Controller Installation

Open a 92.5 * 92.5 mounting hole on the instrument cabinet or mounting panel (this product is 100*100*150mm) , insert the meter into the mounting hole and fasten the butterfly button, as shown below :



1.2 electrode installation

- A: Side wall installation
- B: Top flange installation
- C: Pipe bend installation
- D: Pipe bend installation
- E: Flow-through installation
- F: Submerged installation

