Wall-mounted Water Quality Multi-parameters Meter

Model: MPG-6099

Brief Introduction

The MPG-6099 multiparameter water quality meter is new generation water quality analyzer developed by BOQU Instrument,it's can be designed to measure different water quality parameters as customers need, such as pH,ORP,Dissolved oxygen,Turbidity,Suspended solid(TSS,MLSS),COD,Ammonia nitrogen(NH3-N),BOD,Color,Hardness,Conductivity,TDS,Ammonium(NH4+),Nitrate(NO3-),Nitrate nitrogen(NO3-N) etc.

Technical features
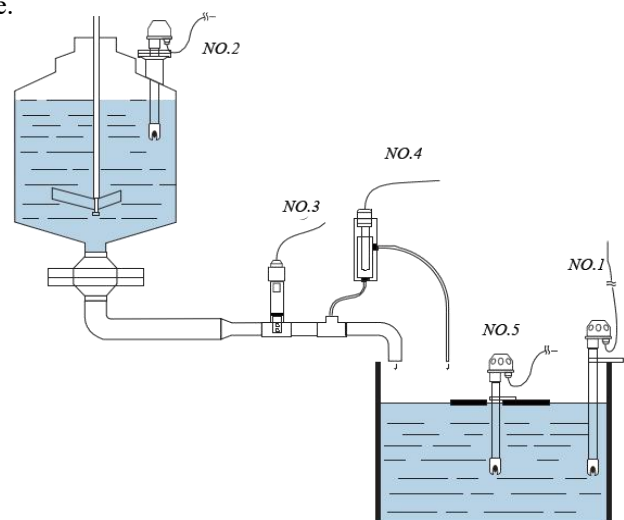
1)Real-time water quality measurement.

2)All water quality sensor is RS485 Modbus

ensure precision to collect data.

3)Easy operation,all operation will will in one touch screen.

4)Datalogger function,all measured data will be recorded.

5)Download,MPG-6099 multi-parameters water quality meter is

with USB interface, user can download report by excel type.

6) Wireless function for operation,users only need insert local SIM card,

then user can check all data on mobile App or website.

Transmitter

Mainly Application

Secondary water supply,

Aquaculture Farming,

River water quality monitoring,

environmental water discharge monitoring,

Point source solution monitoring,

wastewater treatment works,

diffuse pollution monitoring,

Groundwater water quality monitoring etc

Installation Drawing

Technical Parameters

Display	
Display	LCD: 7 inch touch screen
Power	24VDC or 220VAC
Protection	IP65
Input	RS485 Modbus
Download	With USB interface
Output	RS485 Modbus
Data logger	Yes
Wireless	Optional
Dimension	320mmx270mmx121 mm
Digital Water Quality Sensors	
Ammonia Nitrogen	0~1000mg/L NH3-N
COD	0~2000mg/L
pH	0~14
ORP	-2000mv~+2000mv
Conductivity	0~2000ms/cm
Dissolved oxygen	0~20mg/L
Turbidity	0~3000NTU
Suspended solid	0~12000mg/L
Temperature	0~50℃
Note	If need other parameters ,please contact BOQU Instrument to design it.

BH-485-pH Digital pH Sensor

Model	BH-485-pH
Parameter measurement	pH,Temperature
Measure range	pH:0.0~14.0 Temp:0~50.0℃
Accuracy	pH:±0.1pH Temperature:±0.5℃
Resolution	pH:0.01pH Temperature:0.1℃
Power supply	12VDC
Power dissipation	1W
communication mode	RS485(Modbus RTU)
Cable length	10 meters water proof cable and it can be extended
Installation	Sinking type, pipeline, circulation type etc.
Overall size	230mm×φ30mm
Housing material	ABS

BH-485-ORP Digital pH Sensor

Model	BH-485-pH
Parameter measurement	ORP,Temperature
Measure range	-2000mv~+2000mv Temp:0~50.0℃
Accuracy	ORP:±0.1mv Temperature:±0.5℃
Resolution	1mV Temperature:0.1℃
Power supply	24V DC / 12VDC
Power dissipation	1W
Communication mode	RS485(Modbus RTU)
Cable length	10 meters water proof cable and it can be extended
Installation	Sinking type, pipeline, circulation type etc.
Overall size	230mm× φ 30mm
Housing material	ABS

CODS-3000-01 Digital COD/BOD Sensor

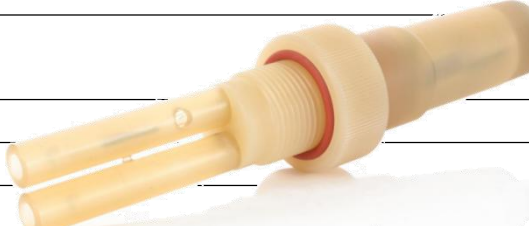|	
Model	CODS-3000-01
Parameter measurement	COD:0~2000mg/l (2mm);0~1000mg/l (5mm);0~90mg/l (50mm) BOD:0~1500mg/l (2mm);0~750mg/l(5mm);0~60mg/l (50mm)
Accuracy	±5%
Repeatability	±2%
Communication mode	RS485(Modbus RTU)
Power	12VDC
Sensor material	SS316L
Working temperature	0~50C
Cable	10 meters water proof cable and it can be extended
Protection	IP68
Dimension	Dia*length 69mm*380mm

NNA-210-01 Digital Nitrate Nitrogen Sensor

Model	NNA-210-01
Parameter measurement	Nitrate nitrogen NO3-N: 0.1~100.0mg/L
Accuracy	±5%
Repeatability	±2%
Communication mode	RS485(Modbus RTU)
Power	12VDC
Sensor material	SS316L
Working temperature	0~50C
Cable	10 meters water proof cable and it can be extended
Protection	IP68
Dimension	Dia*length 69mm*380mm

BH-485-NH Digital Ammonia Nitrogen Sensor

Model	**BH-485-NH**
Parameter measurement	NH3-N:0.1-1000 mg/L K+:0.5-1000 mg/L (Optional) pH:5-10 Temperature:0-40℃
Resolution	NH3-N:0.01 mg/l K+:0.01 mg/l(Optional) Temperature:0.1℃ pH:0.01
Accuracy	NH3-N:±5 % or or ± 0.2 mg/L K+:±5 % of or ±0.2 mg/L Temperature:±0.1℃ pH:±0.1 pH
Minimum Limit	0.2mg/L
Communication mode	RS485(Modbus RTU)
Power	12VDC
Dimension	55mm×340mm(Diameter*Length)
Working temperature	0~50C
Cable	10 meters water proof cable and it can be extended
Protection	IP68

BH-485-EC Digital Conductivity Sensor
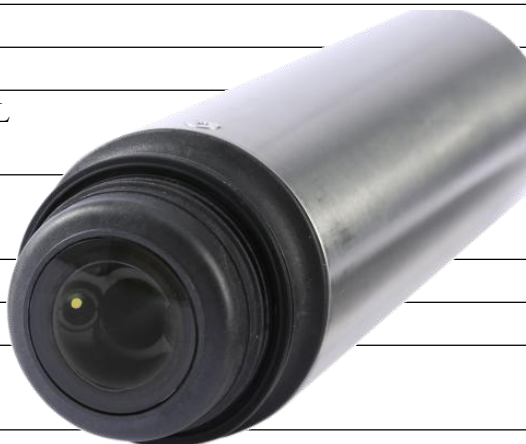
Model	BH-485-EC
Parameter measurement	conductivity,Temperature
Measure range	0~2000us/cm(K=1.0), 0~20 000us/cm(K=10.0) Temperature:(0~50.0)℃
Accuracy	conductivity:±0.1us/cm Temperature:±0.5℃
Resolution	conductivity:0.1 us/cm Temperature:0.1℃
Power supply	12VDC or 24V DC
Power dissipation	1W
communication mode	RS485(Modbus RTU)
Cable length	10 meters water proof cable and it can be extended
Installation	Sinking type, pipeline, circulation type etc.
Housing material	ABS/Polysulfone

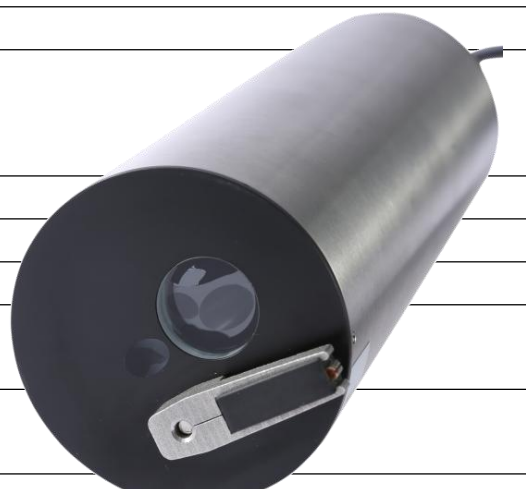Note: if over 20000us/cm, then use DDG-GY Inductive Conductivity Sensor, max is 2000ms/cm

BH-485-DO   Digital Dissolved Oxygen Sensor(Polarography)

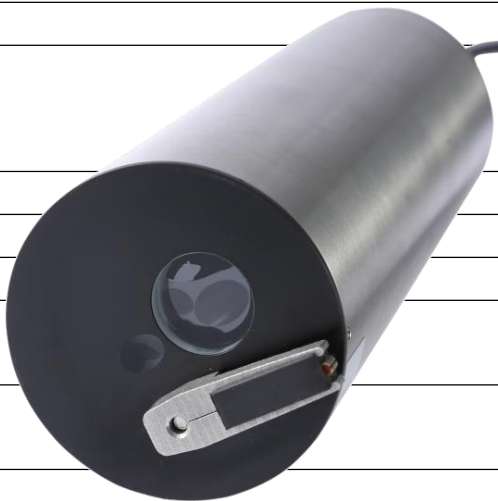|	
Model	BH-485-DO
Parameter measurement	Dissolved oxygen,temperature
Measure range	DO:(0~20.0)mg/L Temp:(0~50.0)℃
Accuracy	DO:±0.30mg/L Temp:±0.5℃
Response time	Less than 60S
Resolution	Dissolved oxygen:0.01ppm Temperature:0.1℃
Power supply	12VDC or 24V DC
Power dissipation	1W
communication mode	RS485(Modbus RTU)
Cable length	10 meters water proof cable and it can be extended
Installation	Sinking type, pipeline, circulation type etc.
Overall size	230mm×φ30mm
Housing material	ABS

DOG-209FYD Digital Dissolved Oxygen Sensor(Optical)

Model	DOG-209FYD
Principle	Optical
Measuring range	Dissolved oxygen:0-20 mg/L Temperature:0-45℃
Accuracy	DO ±3%; Temperature:±0.5℃
Communication	MODBUS RS485
Power Supply	12VDC
Material	SS316L for fresh water Titanium for sea water
Storage temperature	-15℃~60℃
Working temperature	0~50℃
Cable length	10 meters water proof cable and it can be extended
Protection	IP68
Dimension	55mmx342mm

ZDYG-2087-01 Digital Suspended Solid Sensor

Model	ZDYG-2087-01
Measurement Range	0.01-20000 mg/L, 0.01-45000 mg/L , 0.01-120000 mg/L
Accuracy	≤± 5%
Communication	RS485 Modbus
Power supply	12VDC
Material	SS316L for fresh water Titanium for sea water
Calibration	Sample Calibration, Slope Calibration
Flow rate	≤2.5m/s,8.2ft/s
Maintain	With Auto-clean brush
Protection	IP68
Cable length	10 meters water proof cable and it can be extended
Dimension	Dia*length 60mm* 256mm

ZDYG-2088-01 Digital Turbidity Sensor

Model	ZDYG-2088-01
Measurement Range	0.01-100 NTU , 0.01－3000 NTU, 0.01－3000 NTU
Accuracy	≤± 5%
Communication	RS485 Modbus
Power supply	12VDC
Material	SS316L for fresh water Titanium for sea water
Calibration	Sample Calibration, Slope Calibration
Flow rate	≤2.5m/s,8.2ft/s
Maintain	With Auto-clean brush
Protection	IP68
Cable length	10 meters water proof cable and it can be extended
Dimension	Dia*length 60mm* 256mm