









Precise and delicate managements are required to keep pure and sanitary water.



Mestar* can measure the value of pH, ORP, Chlorine, Dissolved Oxyzen and Electrical Conductivity.



It is applicable in a variety of industrial site such as sewage treatment plant and power plant.

- Simple Calibration and Highly Reliable Digital Type Controller.
- Easy installation with DIN(96*96mm) Standard Size Case and High Legibility by 3inch Segment Display.
- Figure Out the Causes of Error Through Self– Diagnostic Function by Data Back–Up.



pH/ORP Digital pH/ORP Controller

Model Code

MESTAR+

Controller P:pH/ORP

Ocontroller Option

B: Standard

T: Temp. Compensation C: Communication (RS-485)

X: Communication + Temp. Compensation **10** Output Option Electrode

0: Standard

1: Temp. (4~20mA)

2:GSH-5

3:MS-5 8:CPP13 4:GST-5 9:CPP14

6:CPP11

7:CPP12

5:GSTH-5

1:GS-5

Specification

Display

3in. LCD Segment Display (White Back Light)

Measuring Range

 $0.00 \sim 14.00 \text{pH} / -1999 \sim 1999 \text{mV} / -10.0 \sim 100 ^{\circ} \text{C}$ (Option)

Resolution

0.01pH / 1mV / 0.1°C

Analog Output

DC 4~20mA 2Channels - pH / ORP Meas. Value, Temp. (Option)

Alarm Output

HIGH, LOW Alarm (1a1b)

Case

Anti-static ABS

Power

AC85~245V, 50/60Hz, Power Consumption 3W

Weight

Approx. 450g



Model Code

MESTAR+

O Controller

Controller Option

10 Output Option

Electrode

R:RC

B: Standard

0: Standard

1:CPR11

(Residual Chlorine)

C: Communication (RS-485)

Specification

Display

3in. LCD Segment Display (White Back Light)

Measuring Range

0.00~2.00ppm

Resolution

0.01ppm

Analog Output

DC 4~20mA 1Channels-ppm Meas. Value

Alarm Output

HIGH, LOW Alarm (1a1b)

Case

Anti-static ABS

Power

AC85~245V, 50/60Hz, Power Consumption 3W

Weight

Approx. 450g

* MESTAR⁺ RC shows the reading of Free Residual Chlorine in a solution.





Digital Dissolved Oxygen Controller

Model Code



Controller

D:DO (Dissolved Oxygen) Controller Option

B: Standard (Temp. Compensation) C: Communication (RS-485)

10 Output Option

0:Standard 1: Temp. (4~20mA) 4 Electrode

1:CPD11

Specification

Display 3in. LCD Segment Display (White Back Light) $0.00 \sim 20.00 \text{mg/L} / -10.0 \sim 100 ^{\circ}\text{C}$ **Measuring Range**

Resolution 0.01mg/L / 0.1℃

Analog Output DC 4~20mA 2Channels - ppm Meas. Value, Temp. (Option)

Alarm Output HIGH, LOW Alarm (1a1b)

Anti-static ABS Case

Power AC85~245V, 50/60Hz, Power Consumption 3W

Weight Approx. 450g



E Digital Electrical Conductivity Controller

Model Code

MESTAR⁺

Controller

E:EC (Electrical Conductivity) Controller Option

B: Standard (Temp. Compensation) C: Communication (RS-485)

10 Output Option

0:Standard 1: Temp. (4~20mA) Electrode

1:CPE11 2:CPE12

Specification

Display 3in. LCD Segment Display (White Back Light)

Measuring Range 0.00 ~ 10.00mS/cm

Resolution 0.01mS/cm

DC 4~20mA 2Channels - EC Meas. Value, Temp. (Option) **Analog Output**

Alarm Output HIGH, LOW Alarm (1a1b)

Anti-static ABS Case

AC85~245V, 50/60Hz, Power Consumption 3W **Power**

Weight Approx. 450g



Electrodes

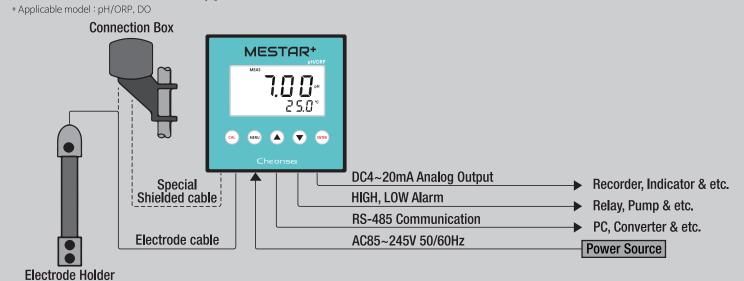


Electrode Specification

Controller	Model	Temp. Compensation	Operating Temperature	Material	Supplement	Method of Measurement	Internal Liquid	Cable Length
рН	GS-5	X	0~40℃	- - Glass -	Required	– Glass Sensor	3.3mol KCl —	5m
	GSH-5	X	0~80℃					
	GST-5	0	0~40℃					
	GSTH-5	0	0~80℃					
	CPP11	Х	0~80℃	- PC Glass PC	Supplement free			
	CPP12	0	0~80℃					
	CPP13	0	0~80℃					
	CPP14	Х	0~80℃					
ORP	MS-5	Х	0~40℃	Glass	Required	Gold		
RC	CPR11	Х	2~45℃	Glass	Supplement free	Amperometric		
DO	CPD11	0	0~50℃	ABS	Required	Galvanic	0.5mol NaOH	
EC -	CPE11	0	0~80℃	ABS	-	2 Pole	-	
	CPE12	0	0~80℃	ABS	-	2 Pole	-	

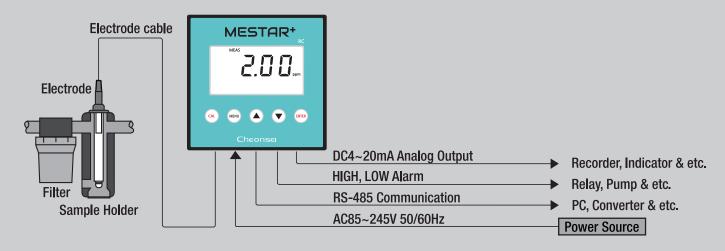
System Diagram

(Electrode Holder Type)



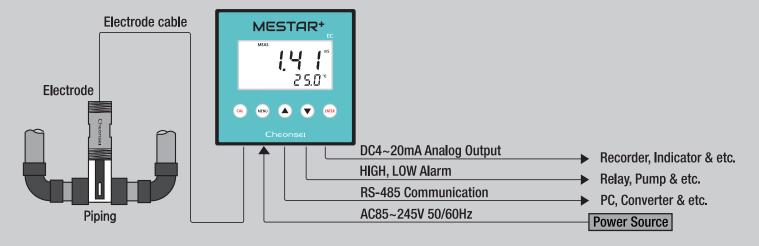
(Sample Holder Type)

* Applicable model : pH/ORP, RC



(Pipe Mounting Type)

* Applicable model : EC



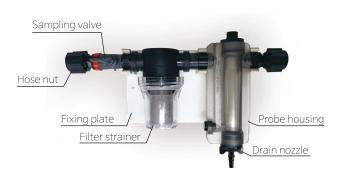
Sets and Components

(Electrode Holder Type)



- * The standard components may vary depending on model.
- * All model's specification can be revised for improvement without prior notice.

(Sample Holder Type)





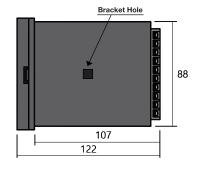


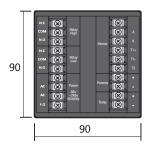
- Sample Holder can be used with a number of electrodes together by installing additional mounting.
- ** The hose size for Sample Holder is $\phi 8*\phi 12$.

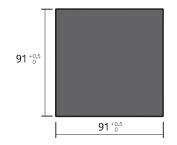
 ** Please contact sales agent first before using non-standard parts.

Dimensions









Front View

Side View

Rear View

Panel Hole

MESTAR+

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