

KEMPION

Digital pH/ORP Controller **MESTAR**



Digital pH/ORP Controller

MESTAR

The Product Features

- pH/ORP Selection function between pH/ORP
- Convenient Automatic Calibration
 - Zero : pH 7
 - Span : pH 4 or pH 9
- Selection of the display which is suitable for using condition
 - MESTAR-H Series : LED Display
 - MESTAR-P Series : LCD Display (Back Light)
- Isolated Analog Output
 - PROCESS : Measured value of pH or ORP
 - TEMP. (Option) : Measured value of temperature
- Output of dry contact point at maximum & minimum setting
 - Dead-Band setting
- Data backup in the EEPROM
- Self-Diagnostic function
- Temperature compensation of measured pH Value (Option)
- Full-duplex communication of RS-422 Multi-Drop (Option)
- Full-duplex communication of RS-485 Multi-Drop (Option)



◀ MESTAR-P | LCD Display



MESTAR-H | LED Display ▶

Specification

Specifications	Performance
Measuring Range	0~14pH, -1999~1999mV, -10~1000~40℃
Resolution	0.01pH, 1mV, 0.1℃
Display	3 1/2 Digit LED or 3 1/2 Digit LCD
Analog Output	DC 4~20mA 2Channel (TEMP. Option)
Output of Dry Contact Point	Dry contact output of the two points operated by On/Off
Dimensions	96mm(W)x96mm(H)x131mm(D)

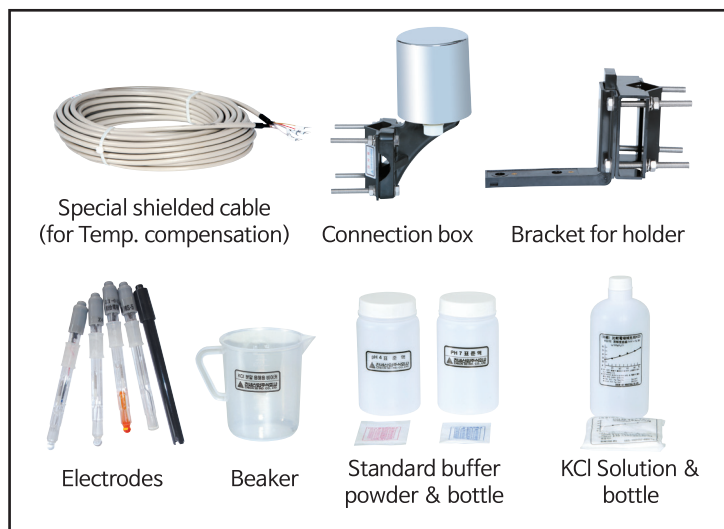
Specifications	Performance
Self-Diagnostic function	Over measurement range - Err1 Calibration failure - Err2 System Operation errors - Err3
Case	Anti-static ABS
Power Source	AC 110/220V 50/60Hz
Weight	780g

Electrode Specification

Model	Use	Measuring range	Using Temp.	Cable Length	Internal liquid	Code
GS-5	pH	0~14pH	0~40℃	5m	3.3mol KCl	1
GSH-5	pH	0~14pH	0~80℃	5m	3.3mol KCl	2
MS-5	ORP	0~1999mV	0~40℃	5m	3.3mol KCl	3
GST-5	pH Temp. compensation	0~14pH	0~40℃	5m	3.3mol KCl	4
GSTH-5	pH Temp. compensation	0~14pH	0~80℃	5m	3.3mol KCl	5
CPP11	pH Supplement free	0~14pH	0~80℃	5m	3.3mol KCl	6
CPP12	pH Temp. compensation & Supplement free	0~14pH	0~80℃	5m	3.3mol KCl	7
CPP13	pH for Fluoride, Temp. compensation & Supplement free	0~12pH	0~80℃	5m	3.3mol KCl	8



Standard Components of Set



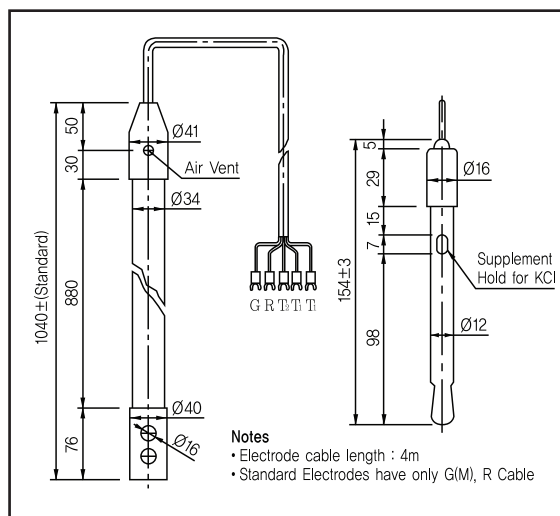
Components	Quantity
pH/ORP Controller	1 Set
Electrode	1 Set
Connection box coated with special film	1 Set
High isolated special shield cable	20 m
Holder (PE)	1 Set
Bracket for holder	1 Set
KCl Solution (3.3mol, 123g)	1 packet
KCl Bottle (500cc, PE)	1 EA
Beaker (500cc, PE)	1 EA
Calibration liquid bottle (500cc, PE)	2 EA
Standard buffer powder (pH7, pH4)	2 packets each
Instruction manual	1 book

※ Components of set are changed according to model codes

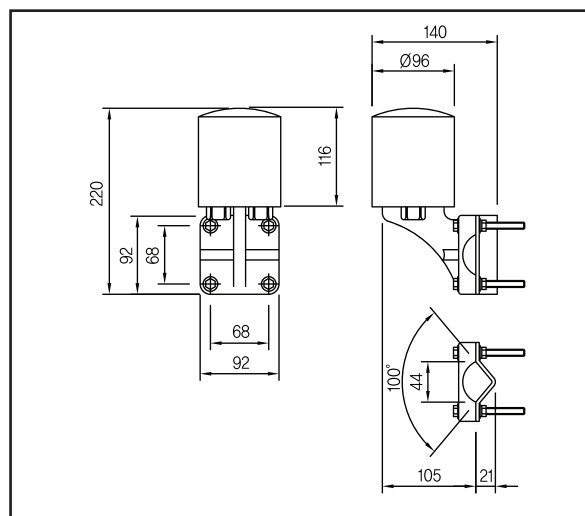
※ Optional items : Connection cable, Quinhydrone powder, Holder, Stand Panel

Dimensions of Components

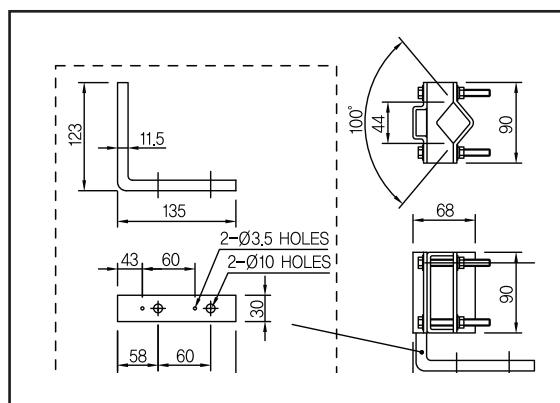
• Electrode & Holder (Temp. Compensation)



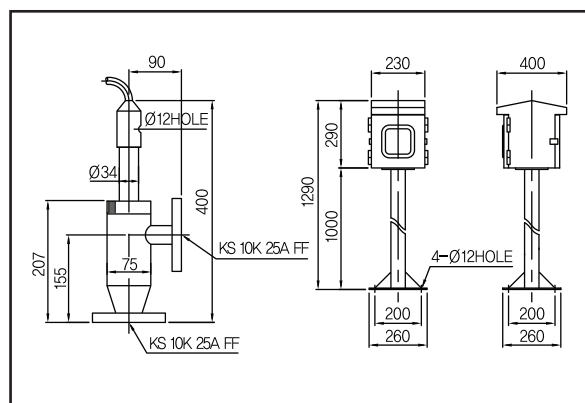
• Connection Box



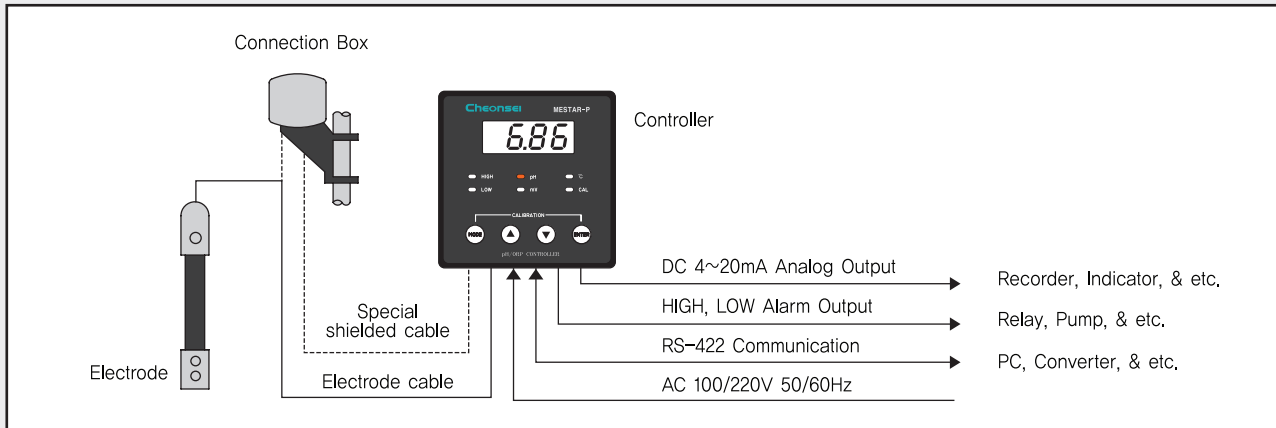
• Bracket for Holder



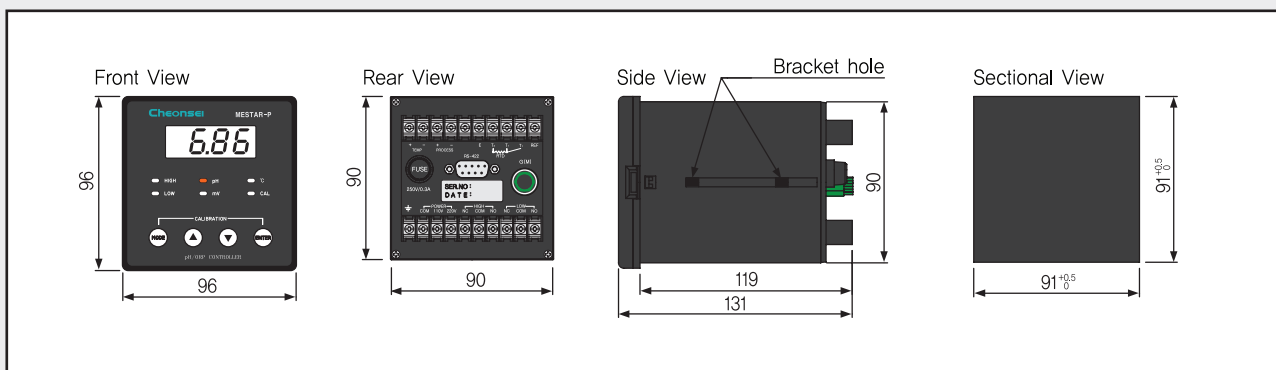
• Optional Items



■ System Diagram



■ Controller Dimensions



■ Model Code

