P series Laboratory pH Electrode

P11

General purpose pH electrode, round glass bulb, used for measuring the non-high temperature liquids.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Annular Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P11-ROD

General purpose pH electrode, rod-type glass bulb, used for measuring the non-high temperature liquids.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Annular Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P11-LiCl

Professional pH electrode, used for measuring the liquors, oils and non-aqueous samples.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Annular Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P11-HA

Professional pH electrode, used for measuring the photographic processing solutions.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	Ag/AgCl
Liquid Junction Type	Annular Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P11-NA

Professional pH electrode, used for measuring the biofuel.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P11-PB

General purpose pH electrode with a glass protective guard.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	Ag/AgCl
Liquid Junction Type	Glass, Teflon
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P11-DW

Professional pH electrode, used for measuring the low conductivity liquids or low ionic strength samples.

Range	0～14pH
Temperature Range	0～50℃, 32～122℉
Ref. Type	Double Junction Ag/AgCl
Liquid Junction Type	Glass, Polymer
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P12

Professional pH electrode, used for measuring the sample in the test tube.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Frit Ceramic
Body Type	Glass
Connector	BNC
Dimensions	150(L)×6(Dia.)mm

P13

Professional pH electrode, used for measuring the micro-volume samples.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Frit Ceramic
Body Type	Glass
Connector	BNC
Dimensions	90(L)×4.5(Dia.)mm

P14

General purpose pH electrode, plastic shell, used for outdoor applications.

Range	0～14pH
Temperature Range	0～80℃, 32～176℉
Ref. Type	AgCl
Liquid Junction Type	Porous Teflon
Body Type	Epoxy
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P15

Professional pH electrode, used for measuring the low conductivity liquids.

Range	0～14pH
Temperature Range	0～50°C, 32～122°F
Ref. Type	HgCl
Liquid Junction Type	Annular Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P16

Professional pH electrode, used for measuring the liquids with the Tris buffers.

Range	0～14pH
Temperature Range	0～50°C, 32～122°F
Ref. Type	HgCl
Liquid Junction Type	Frit Ceramic
Body Type	Glass
Connector	BNC
Dimensions	90(L)×6(Dia.)mm

P17

Flat surface pH electrode, used for measuring the semisolid samples.

Range	0～14pH
Temperature Range	0～60°C, 32～140°F
Ref. Type	AgCl
Liquid Junction Type	Porous Teflon
Body Type	Epoxy
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P18

Professional pH electrode, used for measuring the slurries.

Range	0～14pH
Temperature Range	0～80°C, 32～176°F
Ref. Type	AgCl
Liquid Junction Type	Annular Ceramic
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P19

Professional pH electrode, used for measuring the semisolid samples.

Range	0～14pH
Temperature Range	0～80°C, 32～176°F
Ref. Type	AgCl
Liquid Junction Type	Frit Ceramic
Body Type	Glass
Connector	BNC
Dimensions	40(L)×6(Dia.)mm

P20

General purpose pH electrode, round glass bulb, used for measuring the non-high temperature liquids. The electrode has temperature sensor.

Range	0～14pH
Temperature Range	0～80°C, 32～176°F
Ref. Type	AgCl
Liquid Junction Type	Annular Ceramic
Temperature Sensor	10KΩ
Connector	BNC, Phone plug
Dimensions	120(L)×12(Dia.)mm

P21

Professional pH electrode, used for measuring the colloids.

Range	0～14pH
Temperature Range	0～80°C, 32～176°F
Ref. Type	AgCl
Liquid Junction Type	Sleeve
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

P22

Professional pH electrode, used for measuring the high temperature samples.

Range	0～14pH
Temperature Range	0～130°C, 32～266°F
Ref. Type	AgCl
Liquid Junction Type	Glass, Teflon
Body Type	Glass
Connector	BNC
Dimensions	120(L)×12(Dia.)mm

K series Conductivity Electrode

K10
Platinum conductivity electrode, used for measuring the general liquids.

Range	0～150mS/cm
Temperature Range	0～50°C, 32～122°F
Material	Platinum
Cell Constant	K=1
Body Type	Glass
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

K20
Graphite conductivity electrode, used for measuring the paint, dyes, etc.

Range	0～10mS/cm
Temperature Range	0～50°C, 32～122°F
Material	Graphite
Cell Constant	K=1
Body Type	Epoxy
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

K30
Platinum conductivity electrode with the flow cell design.

Range	0～150mS/cm
Temperature Range	0～50°C, 32～122°F
Material	Platinum
Cell Constant	K=1
Body Type	Glass
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

K21
Graphite conductivity electrode, used for measuring the pure water or low ionic samples.

Range	0～500μS/cm
Temperature Range	0～50°C, 32～122°F
Material	Graphite
Cell Constant	K=0.1
Body Type	Epoxy
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

K40
Platinum conductivity electrode, used for measuring the pure water or low ionic samples.

Range	0～500μS/cm
Temperature Range	0～50°C, 32～122°F
Material	Platinum
Cell Constant	K=0.1
Body Type	Glass
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

K22
Graphite conductivity electrode, used for measuring the high conductivity liquids.

Range	0～500mS/cm
Temperature Range	0～50°C, 32～122°F
Material	Graphite
Cell Constant	K=10
Body Type	Epoxy
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

CON series Conductivity Electrode

CON-1

General purpose conductivity electrode, platinum sensor.

Range	0.01～10mS/cm
Temperature Range	0～80°C, 32～176°F
Material	Platinum
Cell Constant	K=1
Body Type	Glass
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

CON-0.1

General purpose conductivity electrode, used for measuring the pure water.

Range	0.1～100μS/cm
Temperature Range	0～80°C, 32～176°F
Material	Platinum
Cell Constant	K=0.1
Body Type	Glass
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

CON-10

General purpose conductivity electrode, used for measuring the high conductivity liquids.

Range	0.1～200mS/cm
Temperature Range	0～80°C, 32～176°F
Material	Platinum
Cell Constant	K=10
Body Type	Glass
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

DO100 Dissolved Oxygen Probe

Polarographic dissolved oxygen probe, including the temperature sensor, used for measuring the dissolved oxygen and percentage saturation of water

Sensor Type	Polarographic
Output at Saturation	400nA (±25%)
Output at Zero Oxygen	<1%
Temperature Range	0～80°C, 32～176°F
Body Type	Epoxy
Connector	6-pin
Dimensions	120(L)×12(Dia.)mm

501/502 ORP Electrode

Plastic ORP electrode, operating temperature: 0 to 80°C.

Model	501	502
Sensor Type	Platinum pin	Platinum band
Temperature Range	0～80°C, 32～176°F	0～80°C, 32～176°F
Ref. Type	Ag/AgCl	Ag/AgCl
Junction Type	Teflon	Teflon
Connector	6-pin	6-pin
Dimensions	120(L)×12(Dia.)mm	120(L)×12(Dia.)mm

503/504 ORP Electrode

Glass ORP electrode, operating temperature: 0 to 100°C.

Model	503	504
Sensor Type	Platinum pin	Platinum band
Temperature Range	0～100°C, 32～212°F	0～100°C, 32～212°F
Ref. Type	Ag/AgCl	Ag/AgCl
Junction Type	Annular Ceramic	Annular Ceramic
Connector	6-pin	6-pin
Dimensions	120(L)×12(Dia.)mm	120(L)×12(Dia.)mm

UK series Ion Selective Electrodes

Specifications:

Model	Ion Type	Concentration	Limits (ppm)	pH Range	Temperature Range
NH4-UK	Ammonium (NH_4^+)	0.5~5×10^{-5}M	9000~0.9ppm	0~8.5pH	0~50℃
Ba-UK	Barium (Ba^{2+})	0.1~10^{-5}M	13000~1.4ppm	3~10pH	0~50℃
Br-UK	Bromide (Br^-)	1~5×10^{-6}M	81000~0.4ppm	1~12pH	5~50℃
Cn-UK	Cyanide (CN^-)	0.01~1×10^{-6}M	260~0.03ppm	11~13pH	5~50℃
Na-UK	Sodium (Na^+)	3~10^{-7}M	69000~0.002ppm	1~9pH	0~50℃
NO3-UK	Nitrate (NO_3^-)	1~7×10^{-6}M	62000~0.4ppm	2~11pH	0~50℃
Ca-UK	Calcium (Ca^{2+})	0.1~5×10^{-7}M	4012~0.02ppm	3.5~11pH	0~50℃
F-UK	Fluoride (F)	0.1~1×10^{-6}M	0.02~1900ppm	4~8pH	5~50℃
Cd-UK	Cadmium (Cd^{2+})	0.1~1×10^{-6}M	11200~0.1ppm	3~7pH	5~50℃
Cu-UK	Cupric (Cu^{2+})	0.1~1×10^{-7}M	64000~0.006ppm	2~7pH	5~50℃
I-UK	Iodide (I)	1~5×10^{-7}M	127000~0.06ppm	2~12pH	5~50℃
Pb-UK	Lead (Pb^{2+})	0.1~1×10^{-6}M	20800~0.02ppm	3~7pH	5~50℃
Ag-UK	Silver (Ag^+)	0.1~1×10^{-7}M	107900~0.01ppm	1~9pH	5~50℃
S-UK	Sulphide (S^{2-})	1×10^{-7}~1M	3200~0.03ppm	13~14pH	5~50℃
Cl-UK	Chloride (Cl^-)	1~3×10^{-6}M	35000~1ppm	0~14pH	5~50℃
K-UK	Potassium (K^+)	1~10^{-6}M	39000~0.04ppm	1~9pH	0~50℃