

## P Series Glass pH Electrode

### P11

Glass pH electrode, suitable for measuring the non-high temperature liquids



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, single junction
Liquid Junction	Annular ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### P11-LiCl

Glass pH electrode, suitable for measuring the non-aqueous samples



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, double junction
Liquid Junction	Ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### P11-HA

Glass pH electrode, suitable for measuring the high alkalines samples



Range	0~14pH
Operating Temperature	0~100°C, 32~212°F
Reference	Ag/AgCl, single junction
Liquid Junction	Ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### P11-NA

Glass pH electrode, suitable for measuring the biofuels



Range	0~14pH
Operating Temperature	0~60°C, 32~140°F
Reference	Ag/AgCl, double junction
Liquid Junction	Ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### P12

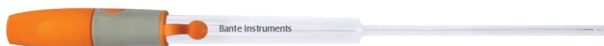
Glass pH electrode, suitable for measuring the sample in the test tube



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, single junction
Liquid Junction	Frit ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	150(L)×6(Dia.)mm

### P13

Glass pH electrode, suitable for measuring the micro-volume samples



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, single junction
Liquid Junction	Frit ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	90(L)×4.3(Dia.)mm

**P15**

Glass pH electrode, suitable for measuring the low conductivity liquids



Range	0~11pH
Operating Temperature	0~50°C, 32~122°F
Reference	HgCl, single junction
Liquid Junction	Annular ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

**P16**

Glass pH electrode, suitable for measuring the liquids with Tris buffers



Range	0~14pH
Operating Temperature	0~50°C, 32~122°F
Reference	HgCl, single junction
Liquid Junction	Frit ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	90(L)×6(Dia.)mm

**P18**

Glass pH electrode, suitable for measuring the slurry and soil



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, single junction
Liquid Junction	Annular ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

**P19**

Glass pH electrode, suitable for measuring the semisolids



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, single junction
Liquid Junction	Frit ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	40(L)×6(Dia.)mm

**P21**

Glass pH electrode, suitable for measuring the colloids



Range	0~14pH
Operating Temperature	0~80°C, 32~176°F
Reference	AgCl, double junction
Liquid Junction	Sleeve
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

**P22**

Glass pH electrode, suitable for measuring the high temperature samples



Range	0~14pH
Operating Temperature	0~130°C, 32~266°F
Reference	AgCl, double junction
Liquid Junction	Porous teflon
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

## E Series Laboratory pH Electrode

### E201-BNC

General purpose pH electrode, suitable for measuring the liquids



Range	0~14pH
Operating Temperature	0~60°C, 32~140°F
Reference	AgCl, single junction
Liquid Junction	Fiber
Body Type	Epoxy
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### E202-BNC

Flat surface pH electrode, suitable for measuring the semisolids



Range	0~14pH
Operating Temperature	0~60°C, 32~140°F
Reference	AgCl, single junction
Liquid Junction	Teflon
Body Type	Epoxy
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### E203-BNC

General purpose pH electrode with a built-in temperature sensor (10KΩ)



Range	0~14pH
Operating Temperature	0~60°C, 32~140°F
Reference	AgCl, single junction
Liquid Junction	Fiber
Body Type	Epoxy
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

## 5 Series Laboratory ORP Electrode

### 501

General purpose ORP electrode, suitable for the sample with a strong redox potential



Sensor Type	Platinum pin
Operating Temperature	0~80°C, 32~176°F
Reference	Ag/AgCl
Liquid Junction	Teflon
Body Type	Epoxy
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### 502

General purpose ORP electrode, suitable for the sample with a weak redox potential



Sensor Type	Platinum band
Operating Temperature	0~80°C, 32~176°F
Reference	Ag/AgCl
Liquid Junction	Teflon
Body Type	Epoxy
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

### 504

Glass ORP electrode, suitable for high temperature samples (<100°C/212°F)



Sensor Type	Platinum band
Operating Temperature	0~100°C, 32~212°F
Reference	Ag/AgCl
Liquid Junction	Annular ceramic
Body Type	Glass
Connector	BNC, 1m cable
Dimensions	120(L)×12(Dia.)mm

## Electrode Selection Table

The accurate pH measurement depends on selecting the suitable pH electrode. The following chart describes the application range of each sensor. For reference only.

	Model	P11	P12	P13	P16	P18	P19	P20	P21	E201	E202	
Samples	Agar										•	
	Alkalines (high)	•										
	Beer	•	•	•				•	•	•	•	
	Blood Products	•	•	•					•		•	
	Bread/Dough					•	•					
	Cement	•										
	Cosmetics	•	•	•					•		•	
	Dairy Products	•	•	•			•				•	
	Education	•									•	•
	Fats/Cream						•					
	Field Use					•		•		•	•	
	Fish Products						•				•	
	Lab Flasks		•									
	Low Ionic	•										
	Meat							•			•	
	Cheese						•				•	
	Micro Samples			•								
	Paint		•	•							•	
	Photographic											
	Soil						•	•				
	Surface											•
Test Tubes		•			•							
Tris Buffer					•							
Viscose Samples											•	

## IE-20T Industrial pH Electrode



### Features

- General purpose pH electrode with a built-in temperature sensor
- 3/4 inch thread is easy to install

Range	0-14pH
Operating Temperature	0-60°C, 32-140°F
Reference	Ag/AgCl
Liquid Junction	Teflon
Body Type	PPS/PC
Cable Length	5m
Dimensions	150(L)×29.5(Dia.)mm