P Series Glass pH Electrode

P11
Glass pH electrode, suitable for measuring the general and mildly corrosive solutions

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

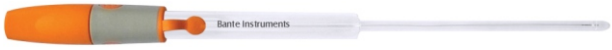
P11-LiCl
Glass pH electrode, suitable for measuring the non-aqueous solutions

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

P11-HA
Glass pH electrode, suitable for measuring the high alkalinity solutions

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

P13
Glass pH electrode, suitable for measuring the micro-volume samples



Range	0...14 pH
Operating Temperature	0...100°C/32...212°F
Reference	Ag/AgCl, single junction
Liquid Junction	Frit Ceramic
Body Type	Glass
Connector	BNC, 1 m cable
Dimensions	90(L)×4.3(Ø)mm

P15
Glass pH electrode, suitable for measuring the low conductivity solutions

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

P16
Glass pH electrode, suitable for measuring the solutions with Tris buffer

Range	0...14 pH
Operating Temperature	0...80°C/32...176°F
Reference	Ag/AgCl, double junction
Liquid Junction	Frit ceramic
Body Type	Glass
Connector	BNC, 1 m cable
Dimensions	90(L)×6(Ø)mm

P19
Glass pH electrode, suitable for piercing and measuring the semisolids and soft solids

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

P21
Glass pH electrode, suitable for measuring the colloids

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

Electrode Selection Table

Accurate pH measurement depends on selecting the appropriate pH electrode. The chart below outlines the application range of each sensor for reference only.

	Model	P11	P11-LiCl	P11-HA	P13	P15	P16	P19	P21	E201	E202
Typical Samples and Applications	Agar	•									
	Beer	•			•						
	Cheese							•			•
	Cosmetics	•			•						
	Creams							•			•
	Dairy Products	•									
	Dough							•			•
	Fish Products							•			•
	Field Use									•	•
	High Alkaline Samples			•							
	Low Ionic / Pure Water					•					
	Meat										•
	Micro Samples				•						
	Non-Aqueous Samples		•								
	Ointments							•			•
	Paper / Textiles										•
	Photographic										
	Printing Inks / Paint										•
	Semisolids							•			•
	Soil							•			•
	Test Tubes				•						
	Tris Buffer						•				
	Vegetables / Fruits							•			•
	Viscose Samples								•		•