

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 |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 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 NPT 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 |