



| Code | HI1043[] | HI1053[] | HI10533 | HI1083[] |
|-----------------------------|---|---|---|---|
| Description | refillable, combination pH electrode w/ double junction | refillable, combination pH electrode w/ conical tip | refillable, combination pH electrode w/ conical tip | combination pH electrode w/micro bulb for small samples |
| Reference | double, Ag/AgCl | double, Ag/AgCl | double, Ag/AgCl | double, Ag/AgCl |
| Junction / Flow Rate | ceramic, double / 30-40 µL/h | ceramic, triple / 40-50 µL/h | ceramic, triple / 40-50 µL/h | open |
| Electrolyte | KCl 3.5M | KCl 3.5M | KCl 3.5M | viscolene |
| Max Pressure | 0.1 bar | 0.1 bar | 0.1 bar | 0.1 bar |
| Range | pH: 0 to 14 | pH: 0 to 12 | pH: 0 to 12 | pH: 0 to 13 |
| Recommended Operating Temp. | 0 to 100°C (32 to 212°F) | -5 to 70°C (23 to 158°F) | -5 to 70°C (23 to 158°F) | 0 to 50°C (32 to 122°F) |
| Glass Type | HT (high temperature) | LT (low temperature) | LT (low temperature) | GP (general purpose) |
| Tip/Shape | spheric (dia: 9.5 mm) | conic (12 x 12 mm) | conic (12 x 12 mm) | spheric (dia: 3 mm) |
| Temperature Sensor | no | no | yes | no |
| Amplifier | no | no | yes | no |
| Body Material | glass - HT | glass - LT | glass - LT | glass - GP |
| Cable | coaxial; 1 m (3.3') | coaxial; 1 m (3.3') | coaxial; 1 m (3.3') | coaxial; 1 m (3.3') |
| Recommended Use | hydrocarbons, paints, solvents, sea water, strong acids and bases, high conductivity samples, tris buffer | fats and creams, high purity water, soil samples, potable water, semi-solid products, low conductivity solutions, emulsions | fats and creams, high purity water, soil samples, potable water, semi-solid products, low conductivity solutions, emulsions | biotechnology, samples < 100 µL |
| Connection | HI1043B BNC HI1043P BNC + pin* | HI1053B BNC HI1053P BNC + pin* | HI10533 Quick Connect DIN | HI1083B BNC HI1083P BNC + pin* |

* For pH meters with CAL Check™ system

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