



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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