



Code	HI1131[]	HI1151B	HI1135B	HI1143B
Description	refillable, combination pH electrode	refillable, combination pH electrode	refillable, combination pH electrode w/ side arm construction and fast flow rate	refillable, combination pH electrode for fluoride applications
Reference	double, Ag/AgCl	double, Ag/AgCl	double, Ag/AgCl	double, Ag/AgCl
Junction / Flow Rate	ceramic, single / 15-20 µL/h	ceramic, single / 15-20 µL/h	ceramic, double / 30-40 µL/h	ceramic, single / 15-20 µL/h
Electrolyte	KCl 3.5M	–	KCl 3.5M	KCl 3.5M
Max Pressure	0.1 bar	0.1 bar	3 bar with back pressure	0.1 bar
Range	pH: 0 to 13	pH: 0 to 13	pH: 0 to 14	pH: 0 to 10
Recommended Operating Temp.	0 to 100°C (32 to 212°F) – HT	0 to 100°C (32 to 212°F) – HT	0 to 100°C (32 to 212°F) – HT	-5 to 60°C (23 to 140°F) – HF
Tip / Shape	spheric (dia: 9.5 mm)	spheric (dia: 9.5 mm)	spheric (dia: 9.5 mm)	spheric (dia: 9.5 mm)
Temperature Sensor	no	no	no	no
Amplifier	no	no	no	no
Body Material	glass	glass	glass	glass
Cable	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')
Recommended Use	laboratory general purpose, beer	non-aqueous titration	continuous monitoring with remote filling	samples with fluoride (max 2 g/L @ pH 2 and temperature < 60°C)
Connection	HI1131B BNC HI1131P BNC + pin*	HI1151B BNC	HI1135B BNC	HI1143B BNC

* For pH meters with CAL Check™ system