



Code	HI3131B	HI3149B	HI3618D/HI36183	HI1217D	HI1291D
Description	refillable combination ORP electrode	ORP electrode	ORP combination electrode	pH electrode	pH electrode
Reference	single, Ag/AgCl	double, Ag/AgCl	single, Ag/AgCl	single, Ag/AgCl	single, Ag/AgCl
Junction / Flow Rate	ceramic, single / 15-20 µL/h	CPSTM	ceramic, single / 15-20 µL/h	ceramic, single	ceramic, single
Electrolyte	KCl 3.5M + AgCl	KCl 3.5M	KCl 3.5M + AgCl	gel	gel
Max Pressure	0.1 bar	0.1 bar	0.1 bar	2 bar	2 bar
Range	ORP: ±2000 mV	ORP: ±2000 mV	ORP: ±2000 mV	pH: 0 to 13	pH: 0 to 12
Recommended Operating Temp.	-5 to 70°C (23 to 158°F)	-5 to 60°C (23 to 140°F)	-5 to 70°C (23 to 158°F)	0 to 70°C (32 to 158°F)	0 to 70°C (32 to 158°F)
Glass Type	-	-	-	GP (general purpose)	GP (general purpose)
Tip / Shape	platinum pin	platinum ring	platinum pin	spheric (dia: 5.0 mm)	spheric (dia: 5.0 mm)
Temperature Sensor	no	no	yes	yes	yes
Amplifier	no	no	yes	yes	yes
Body Material	glass	glass	glass	PEI	PEI
Cable	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')	5-pole; 1 m (3.3')	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')
Recommended Use	laboratory general use, ORP titrations	non-aqueous titrations	laboratory	general purpose	general purpose, education, laboratory
Connection	<b>HI3131B</b> BNC	<b>HI3149B</b> BNC	<b>HI36183</b> Quick Connect DIN <b>HI3618D</b> DIN**	<b>HI1217D</b> DIN**	<b>HI1291D</b> DIN**

\*\* Recommended for use with HI314 pH meter

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\*\* Recommended for use with HI207 and HI208 pH meters