

## Rugged pH and ORP Electrodes

pH

electrodes



Code	HI1332 [ ]	HI3230B	HI36203	HI4430B
Description	pH electrode	gel-filled, combination ORP electrode w/ platinum contact	ORP probe	gel-filled, combination ORP electrode w/ gold contact
Reference	double, Ag/AgCl	single, Ag/AgCl	single, Ag/AgCl	single, Ag/AgCl
Junction / Flow Rate	ceramic, single / 15-20 µL/h	ceramic, single	ceramic, single	ceramic, single
Electrolyte	KCl 3.5M	gel	gel	gel
Max Pressure	0.1 bar	2 bar	2 bar	2 bar
Range	pH: 0 to 13	ORP: ±2000 mV	ORP: ±2000 mV	ORP: ±2000 mV
Recommended Operating Temp.	0 to 70°C (32 to 158°F) - GP	-5 to 70°C (23 to 158°F)	-5 to 70°C (23 to 158°F)	-5 to 70°C (23 to 158°F)
Glass type	GP (general purpose)	-	-	-
Tip / Shape	spheric (dia: 7.5 mm)	platinum pin	platinum pin	gold pin
Temperature Sensor	no	no	yes	no
Amplifier	no	no	yes	no
Body Material	PEI	PEI	PEI	PEI
Cable	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')	coaxial; 1 m (3.3')
Recommended Use	chemicals, field applications, quality control, aquariums	municipal water, quality control	field applications	oxidants, ozone
Connection	<b>HI1332B</b> BNC <b>HI1332P</b> BNC + pin* <b>HI1332D</b> DIN	<b>HI3230B</b> BNC	<b>HI36203</b> QuickConnect DIN	<b>HI4430B</b> BNC

\* For pH meters with CAL Check™ system