

Ion Selective Electrodes

Calcium · Carbon Dioxide · Chloride



Parameter	Calcium		Carbon Dioxide	Chloride	
Code	HI4004	HI4104	HI4105	HI4007	HI4107
Type	polymer membrane; half-cell	polymer membrane; combination	gas-sensing; combination	solid-state; half-cell	solid-state; combination
Measurement Range	1M to 3·10 ⁻⁶ M 40080 to 0.12 mg/L (ppm)		1·10 ⁻² M to 1·10 ⁻⁴ M 440 to 4.4 mg/L (ppm)	1M to 5·10 ⁻⁵ M 35500 to 1.8 mg/L (ppm)	
Optimum pH Range	4 to 10	4 to 10	4.2 to 5.2	2 to 11	2 to 11
Temperature Range	0 to 40°C	0 to 40°C	0 to 40°C	0 to 80°C	0 to 80°C
Approximate Slope	+28	+28	+54	-56	-56
Body O.D.	12 mm	12 mm	12 mm	12 mm	12 mm
Insertion Length	120 mm	120 mm	120 mm	120 mm	120 mm
Body Material	epoxy/PVC	PEI/PVC	Delrin®	epoxy	PEI
Cable	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial
Possible Applications	determination of free calcium in beverages, water, and seawater		determination of carbonates as CO ₂ in water, soft drinks and wine samples	determination of free chloride ions in emulsified food products, beverages, plants, soils and as an indicator for titration	
Connection	BNC	BNC	BNC	BNC	BNC