

HI4101 · HI4002 · HI4102 · HI4003 · HI4103

Ion Selective Electrodes

Ammonia · Bromide · Cadmium



Parameter	Ammonia	Bromide		Cadmium	
Code	HI4101	HI4002	HI4102	HI4003	HI4103
Type	gas-sensing; combination	solid-state; half-cell	solid-state; combination	solid-state; half-cell	solid-state; combination
Measurement Range	1M to $1 \cdot 10^{-6}$ M 17000 to 0.02 mg/L (ppm) 14000 to 0.016 mg/L as N	1M to $1 \cdot 10^{-6}$ M 79910 to 0.08 mg/L (ppm)		0.1M to $1 \cdot 10^{-7}$ M 11200 to 0.01 mg/L (ppm)	
Optimum pH Range	>11	2 to 12.5	2 to 12.5	2 to 12	2 to 12
Temperature Range	0 to 40°C	0 to 80°C	0 to 80°C	0 to 80°C	0 to 80°C
Approximate Slope	-56	-56	-56	+28	+28
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	Delrin®	epoxy	PEI	epoxy	PEI
Cable	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial
Possible Applications	determination of ammonium, ammonia in wine, beer, water, waste water and soil	plants, soils, and as an indicator for titration		electroplating, battery construction, laboratory and as an indicator for titrations	
Connection	BNC	BNC	BNC	BNC	BNC