

HI 4011 • HI 4111 • HI 4012 • HI 4112 • HI 4013 • HI 4113

Iodide • Lead/Sulfate • Nitrate Ion Selective Electrodes

PARAMETER	IODIDE		LEAD/SULFATE		NITRATE	
CODE	HI 4011	HI 4111	HI 4012	HI 4112	HI 4013	HI 4113
Type	solid-state; half cell	solid-state; combination	solid-state; half cell	solid-state; combination	polymer membrane; half cell	polymer membrane; combination
Measurement Range	1M to 1X 10 ⁻⁷ M 127000 to 0.01 mg/L (ppm)		0.1M to 1X 10 ⁻⁶ M 20700 to 0.21 mg/L (ppm)		1.0M to 1X 10 ⁻⁶ M 6200 to 0.62 mg/L (ppm) 1400 to 0.4 mg/L (ppm) as N	
Optimum pH Range	2 to 13	2 to 13	4 to 7	4 to 7	3.0 to 8	3.0 to 8
Temperature Range	0 to 80°C	0 to 80°C	0 to 80°C	0 to 80°C	0 to 40°C	0 to 40°C
Approximate Slope	-56	-56	+25	+25	-56	-56
Body O.D.	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
Insertion Length	120 mm	120 mm	120 mm	120 mm	120 mm	120 mm
Body Material	epoxy	PEI	epoxy	PEI	PVC	PEI/PVC
Cable	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial
Possible Applications	determination of free iodide ions in emulsified food samples (iodized table salt), plants and for titration		determination of lead ions in plating baths and as an indicator for titrations		determination of free nitrate in natural waters (fresh and sea), and in emulsified food and plant samples	

CONNECTION	CONNECTION	CONNECTION	CONNECTION	CONNECTION	CONNECTION
HI 4011	BNC	HI 4111	BNC	HI 4012	BNC
HI 4112	BNC	HI 4013	BNC	HI 4113	BNC