

Ion Selective Electrodes

These electrodes can be used with any conventional laboratory or hand held pH meter with a millivolt mode.

A 1 metre cable terminated with a BNC connector is fitted as standard. A longer cable length can be specified at the time of ordering (maximum 10 metres).

Probe dimensions are 120 x 12mm.

Main features and benefits include:

- No Reference electrode needed
- Available in fully submersible and water proof format
- Solid state sensors
- Ideal for unskilled operatives
- No filling solution required
- Virtually unbreakable
- Can be left dry for long periods
- Long lifetime



PH/85220

Cat. No.	Description	Concentration	Limits (ppm)	Temp Range °C	Main Interferences	pH Range	ISAB
PH/85220	Ammonium (NH ₄ ⁺)	0.5 – 5 x 10 ⁻⁵	9,000 – 0.9	0 – 50	K ⁺ , Na ⁺	0 – 8.5	CH ₃ COOH
PH/85222	Barium (Ba ²⁺)	10 ⁻¹ – 10 ⁻⁵	13,000 – 1.4	0 – 50	Sr ²⁺ , K ⁺ , Na ⁺	3 – 10	LiAc
PH/85224	Bromide (Br)	1 – 5 x 10 ⁻⁶	81,000 – 0.4	5 – 50	I ⁻ , CN ⁻ , S ²⁻	1 – 12	5M KNO ₃
PH/85226	Cadmium (Cd ²⁺)	10 ⁻¹ – 1 x 10 ⁻⁶	11,200 – 0.1	5 – 50	Hg ²⁺ , Ag ⁺ , Cu ²⁺	3 – 7	5M KNO ₃
PH/85228	Calcium (Ca ²⁺)	10 ⁻¹ – 5 x 10 ⁻⁷	4,010 – 0.02	0 – 50	Ba ²⁺ , Al ³⁺ , Sr ²⁺	3.5 – 11	KCl
PH/85230	Chloride (Cl)	1 – 3 x 10 ⁻⁶	35,000 – 1	5 – 50	I ⁻ , Br ⁻ , CN ⁻ , S ²⁻	1 – 12	5M KNO ₃
PH/85232	Cupric (Cu ²⁺)	10 ⁰ – 1 x 10 ⁻⁷	64,000 – 0.006	5 – 50	Hg ²⁺ , Ag ⁺ , S ²⁻	2 – 7	5M KNO ₃
PH/85234	Cyanide (CN ⁻)	10 ⁻² – 1 x 10 ⁻⁶	260 – 0.03	5 – 50	I ⁻ , S ²⁻ , Br ⁻	11 – 13	10M NaOH
PH/85236	Fluoride (F ⁻)	10 ⁻¹ – 1 x 10 ⁻⁶	1,900 – 0.02	5 – 50	CH ⁻	4 – 8	TISAB
PH/85238	Iodide (I ⁻)	1 – 5 x 10 ⁻⁷	127,000 – 0.06	5 – 50	CN ⁻ , S ²⁻	2 – 12	5M KNO ₃
PH/85240	Lead (Pb ²⁺)	10 ⁻¹ – 1 x 10 ⁻⁶	20,800 – 0.02	5 – 50	Hg ²⁺ , Ag ⁺ , Cu ²⁺	3 – 7	LiAc
PH/85242	Nitrate (NO ₃ ⁻)	1 – 7 x 10 ⁻⁶	62,000 – 0.4	0 – 50	Cl ⁻ , NO ⁻	2 – 11	4M (NH ₄) ₂ SO ₄
PH/85246	Potassium (K ⁺)	1 – 10 ⁻⁶	39,000 – 0.04	0 – 50	Cs ⁺ , NH ₄ ⁺	1 – 9	TEAC
PH/85248	Silver (Ag ⁺)	10 ⁰ – 1 x 10 ⁻⁷	107,900 – 0.01	5 – 50	S ²⁻ , Hg ²⁺	1 – 9	5M KNO ₃
PH/85250	Sodium (Na ⁺)	3 – 10 ⁻⁷	69,000 – 0.002	0 – 50	Ba ²⁺ , Li ⁺ , K ⁺	1 – 9	SISAB
PH/85252	Sulphide (S ²⁻)	1 – 1 x 10 ⁻⁷	32,000 – 0.003	5 – 50	Ag ⁺ , Hg ²⁺	13 – 14	10M NaOH
PH/85254	Thiocyanate (SCN ⁻)	10 ⁻¹ – 2 x 10 ⁻⁶	5,800 – 1	5 – 50	I ⁻ , Cl ⁻ , S ²⁻ , Br ⁻	2 – 12	5M KNO ₃
PH/85256	Water Hardness	2 x 10 ⁻¹ – 5 x 10 ⁻⁵	-	0 – 50	Ba ²⁺ , Cd ²⁺ , Cu ²⁺	4.5 – 10	LiAc
PH/85258	Ammonia (NH ₃)	1M – 10 ⁻⁶ M	0.02	0 – 50	Hydrazine & Aliphatic Amines	11 – 13	1M NaOH

Mono Ion Selective Electrodes are also available, please ask for details.

Please note: That a reference electrode is required for use with mono ion selective electrodes.



Ion Selective Electrode Solutions



E3

Cat. No.	Description	Pack
E3NH34P	Ammonia 1000 ppm PrimAg-plus ion reference solution	500ml
E3BA4P	Barium 1000 ppm PrimAg-plus element reference solution	500ml
E3BR4P	Bromide 1000 ppm PrimAg-plus ion reference solution	500ml
E3CD4P	Cadmium 1000 ppm PrimAg-plus element reference solution	500ml
E3CA4P	Calcium 1000 ppm PrimAg-plus element reference solution	500ml
E3CL4P	Chloride 1000 ppm PrimAg-plus ion reference solution	500ml
E3CU4P	Cupric 1000 ppm PrimAg-plus element reference solution	500ml
E3CN4P	Cyanide 1000 ppm PrimAg-plus ion reference solution	500ml
E3F4P	Fluoride 1000 ppm PrimAg-plus ion reference solution	500ml
E3I4P	Iodide 1000 ppm PrimAg-plus ion reference solution	500ml
E3PB4P	Lead 1000 ppm PrimAg-plus element reference solution	500ml
E3NO34P	Nitrate 1000 ppm PrimAg-plus ion reference solution	500ml
E3PCH4P	Perchlorate 1000 ppm PrimAg-plus ion reference solution	500ml
E3K4P	Potassium 1000 ppm PrimAg-plus element reference solution	500ml
E3AG4P	Silver 1000 ppm PrimAg-plus element reference solution	500ml
E3NAN4P	Sodium 1000 ppm PrimAg-plus element reference solution	500ml
E3SCN4P	Thiocyanate 1000 ppm PrimAg-plus ion reference solution	500ml

Many more solutions available, please send your specific requirements.