

Electrodes Series

Electrode	Model	Sensor Type	Direct Measuring Range		Slope mV per decade	pH Range	Temp. (°C) Range
			Molar	ppm(mg/L)			
Ammonia(NH ₃)	NH31501	Gas Sensing Combination	5 x 10 ⁻² ~ 1.0	0.01 ~ 17,000	56 ± 3	above 11	0 ~ 50
Ammonium(NH ₄ ⁺)	NH41502	Polymer Membrane	5 x 10 ⁻⁶ ~ 1.0	0.1 ~ 18,000	56 ± 2	4 ~ 10	0 ~ 50
Bromide(Br ⁻)	BR01502	Solide state	5 x 10 ⁻⁶ ~ 1.0	0.4 ~ 79,900	57 ± 2	2 ~ 14	0 ~ 80
Cadmium(Cd ⁺²)	CD21502	Solide state	1 x 10 ⁻² ~ 0.1 x 10 ⁻¹	0.01 ~ 11,200	27 ± 2	2 ~ 12	0 ~ 80
Calcium(Ca ⁺²)	CAL1502	Polymer Membrane	5 x 10 ⁻⁶ ~ 1.0	0.2 ~ 40,000	27 ± 2	3 ~ 10	0 ~ 50
Carbon Dioxide(CO ₂) Carbonate(CO ₃ ⁻²)	CO21501	Gas Sensing Combination	1 x 10 ⁻⁴ ~ 1 x 10 ⁻²	4.4 ~ 440	56 ± 3	4.8 ~ 5.2	0 ~ 50
Chloride(Cl ⁻)	CLO1502	Solide state	5 x 10 ⁻³ ~ 1.0	1.8 ~ 35,500	56 ± 2	2 ~ 12	0 ~ 80
Copper(Cu ⁺²)	CU01502	Solide state	1 x 10 ⁻⁶ ~ 1 x 10 ⁻¹	6.4 x 10 ⁻¹ ~ 6,350	27 ± 2	2 ~ 12	0 ~ 80
Cyanide(CN ⁻)	CNO1502	Solide state	5 x 10 ⁻⁴ ~ 1 x 10 ⁻²	0.13 ~ 260	57 ± 2	11 ~ 13	0 ~ 80
Fluoride(F ⁻)	FOO1502	Solide state	1 x 10 ⁻⁶ ~ Saturated	0.02 ~ Saturated	57 ± 2	5 ~ 8	0 ~ 80
Fluoroborate(Br ⁻)	BF41502	Polymer Membrane	7 x 10 ⁻⁶ ~ 1.0	0.1 (as Br) ~ 10,800	56 ± 2	2.5 ~ 11	0 ~ 50
Iodide(I ⁻)	IO01502	Solide state	1 x 10 ⁻⁵ ~ 1 x 10 ⁻¹	6 x 10 ⁻³ ~ 127,000	57 ± 2	0 ~ 14	0 ~ 80
Lead(Pb ⁺²)	PB21502	Solide state	1 x 10 ⁻⁶ ~ 1 x 10 ⁻¹	0.2 ~ 20,700	25 ± 2	3 ~ 8	0 ~ 80
Nitrate(NO ₃ ⁻)	NO31502	Polymer Membrane	7 x 10 ⁻⁶ ~ 1.0	0.5 ~ 62,000	57 ± 2	2.5 ~ 11	0 ~ 50
Nitrogen Oxide(NO _x)	NOX1501	Gas Sensing Combination	5 x 10 ⁻³ ~ 5 x 10 ⁻²	0.2 ~ 220	56 ± 3	1.1 ~ 1.7	0 ~ 50
Perchlorate(ClO ₄ ⁻)	PER1502	Polymer Membrane	7 x 10 ⁻⁶ ~ 1.0	0.7 ~ 98,000	56 ± 2	2.5 ~ 11	0 ~ 50
Potassium(K ⁺)	KO01502	Polymer Membrane	1 x 10 ⁻⁶ ~ 1.0	0.04 ~ 39,000	56 ± 2	2 ~ 12	0 ~ 50
Silver/Sulfide(Ag ⁺ /S ⁻²)	AGS1502	Solide state	Ag ⁺ = 1 x 10 ⁻² ~ 1.0 S ⁻² = 1 x 10 ⁻² ~ 1.0	Ag ⁺ = 0.01 ~ 107,900 S ⁻² = 0.003 ~ 32,100	Ag ⁺ = 157 ± 2 S ⁻² = 27 ± 2	2 ~ 12	0 ~ 80
Sodium(Na ⁺)	NA11502	Glass Combination	1 x 10 ⁻⁶ ~ Saturated	0.02 ~ Saturated	56 ± 2	5 ~ 12	0 ~ 80
Surfactant(X ⁻)	SUR1502	Polymer Membrane	1 x 10 ⁻⁵ ~ 5 x 10 ⁻²	1.0 ~ 12,000	For titration	2 ~ 12	0 ~ 50
Water Hardness (Ca ⁺² /Mg ⁺²)	WHA1502	Polymer Membrane	1 x 10 ⁻⁵ ~ 1.0	0.4 (as Ca) ~ 4,000	26 ± 3	5 ~ 10	0 ~ 50

* Filling Sol - 125ml, Standard Sol - 475ml, ISA Sol - 475ml
* Cable 2(0) : 77cm 1m

Ion Selective Electrode

* 자세한 사항은 이스텍 홈페이지를 참조하십시오. www.isetek.co.kr

Interference	Filling Solution	Standard Solution			ISA Solution	기타
		0.1M	1000ppm	100ppm		
Volatile amines	NH3IF01	NH3AS01	NH3AS02	NH3AS03	NH3IS01 NH3IS02	Membrane Kit-NH3MK05
K ⁺	R001043	NH4AS01	NH4AS02	NH4AS03	NH4IS01	
S ⁻² , I ⁻ , CN ⁻ , high levels of Cl ⁻ & NH ₃	R001015	BR0AS01	BR0AS02	BR0AS03	BR0IS01	
Ag ⁺ , Hg ⁺² , Cu ⁺² , high levels of Pb ⁺² & Fe ⁺³	R001015	CD2AS01	CD2AS02	CD2AS03	CD2IS01	
Pb ⁺² , Hg ⁺² , Cu ⁺² , Ni ⁺²	R001013	CALAS01	CALAS02	CALAS03	CALIS01	
Volatile weak acids	CO2IF01	CO2AS01	CO2AS02	CO2AS03	CO2IA01	Membrane Kit-CO2MK02 Storage Sol-NAOAS01
S ⁻² , I ⁻ , CN ⁻ , Br ⁻	R001015	CLOAS01	CLOAS02	CLOAS03	CLOIS01	
Ag ⁺ , Hg ⁺² , high levels of Cl ⁻ , Br ⁻ , Cd ⁺²	R001015	CUOAS01	CUOAS02	CUOAS03	CUOIS01	
S ⁻² , I ⁻ , Br ⁻ , Cl ⁻	R001015	-	-	-	CNOIS01	
OH ⁻	R001013	FOOAS01	FOOAS02	FOOAS03	FOOIS01 FOOIS02 FOOIS03	
ClO ₄ ⁻ , I ⁻ , CN ⁻	R001044	BF4AS01	BF4AS02	BF4AS03	BF4IS01	
S ⁻² , CN ⁻ , Br ⁻ , Cl ⁻ , S ₂ O ₃ ⁻² , NH ₃	R001015	IOOAS01	IOOAS02	IOOAS03	IOOIS01	
Ag ⁺ , Hg ⁺² , Cu ⁺² , high levels of Cd ⁺² & Fe ⁺³	R001015	PB2AS01	PB2AS02	PB2AS03	PB2IS01	
ClO ₄ ⁻ , I ⁻ , CN ⁻ , Br ⁻	R001044	NO3AS01	NO3AS02	NO3AS03	NO3IS01	
SO ₂ , HF, acetic acid	NOXIF01	NOXAS01	NOXAS02	NOXAS03	NOXIS01	
no significant interference	R001044	PERAS01	PERAS02	PERAS03	PERIS01	
C ⁻ , NH ₄ ⁺	R001043	KO0AS01	KO0AS02	KO0AS03	KO0IS01	
Hg ⁺² , Hg ⁺	R001015	AGSAS01 AGSAS04	AGSAS01 AGSAS05	AGSAS01 AGSAS06	AGSIS01 AGSIS02	AGSIS02, Solide Membrane, Storage Sol
H ⁺ , K ⁺ , Li ⁺ , Ag ⁺ , Cs ⁺ , Tl ⁺	R001041	NAOAS01	NAOAS02	NAOAS03	NAOAI01	NAOIES02, Storage Solution
Similar Types of Surfactants	R001011	SURAS01	SURAS02	SURAS03	SURIS01	
Cu ⁺² , Zn ⁺² , Ni ⁺² , Fe ⁺²	R001013	WHAAS01	WHAAS02	WHAAS03	WHAIS01	



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