

## ION SELECTIVE ELECTRODES

### DIRECT MEASUREMENT OF IONIC CONCENTRATION

- Rugged solid state sensor
- Wide Measuring Range
- Very Rapid Response
- Robust and Versatile
- Built in Double Junction Reference
- Do not require filling Solutions & Membrane replacements.
- Ergonomic "2 tone Cap" design



### TECHNICAL SPECIFICATIONS:

Concentration Range	Wide range depending on ISE
Slope	(Monovalent) 54 to 59 mV / decade (Divalent) 25 to 29 mV / decade
Potential Drift	2mV per day
No. of Junctions	Single / Double
Diameter	12 mm
Length	155 mm
Temp. Range	0 to 50°C
Connector	BNC / TRC / S8

Species	Limits (ppm)	Temp Range	Interferences	pH Range
Ammonium	0.9 - 9,000	0 - 50°C	K <sup>+</sup> Na <sup>+</sup>	0 - 8.5
Cadmium	0.1 - 11,200	5 - 50°C	Cu <sup>++</sup> Hg <sup>++</sup> Ag <sup>+</sup>	3 - 7
Calcium	0.02 - 4,010	0-50°C	Ba <sup>++</sup> Al <sup>+++</sup> Sr <sup>++</sup>	3.5-11
Chloride	1 - 35,500	5 -50°C	I <sup>-</sup> Br <sup>-</sup> CN <sup>-</sup> S <sup>-</sup>	1 -12
Fluoride	0.02 - 1,900	5-50°C	OH <sup>-</sup>	4-8
Nitrate	0.4 - 62,000	0-50 °C	Cl <sup>-</sup> NO <sup>-</sup>	2-11
Potassium	0.04 - 39,000	0-50°C	Cs <sup>+</sup> NH <sub>4</sub>	1-9
Sodium	1 - 35,000	0-50°C	K <sup>+</sup> NH <sub>4</sub> <sup>+</sup> Ca <sup>++</sup> Mg <sup>++</sup>	1-12

### ORDERING CODE

#### Species:

Ammonium	-	NH
Cadmium	-	CD
Calcium	-	CA
Chloride	-	CL
Cyanide	-	CN
Fluoride	-	F
Nitrate	-	NO
Potassium	-	K
Sodium	-	NA

#### Cap / Connector

Cap	-	2 tone
Threaded	-	
Rotatable Cap	-	TRC
PG -13.5 (S8)	-	S8

#### Sensablack ION-X-X-X

#### Cable Length for Cap Electrode (not for S8):

1 Mtrs.	-	-
3 Mtrs.	-	3
5 Mtrs.	-	5

#### Sensablack ION -X-X-X

#### Sensablack ION-X-X-X

#### OTHER INDUSTRY:

Pharma, Petrochemical, Swimming Pools, Aquarium, Electroplating, Food, Chemical, Fertilizer, Dairy, Oil, Drinking Water, Ground Water, Waste Water

Manufactured by:

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