



**ELECTRODES
METERS
LAB SUPPLIES**

PRODUCT CATALOGUE

YOUR SUPPLIER



ionode

GOOD CHEMISTRY™



THE BENCHMARK IN LONG LIFE PRECISION



SINCE 1972

RECORDS / NOTES

TECHNOLOGY AND INNOVATION



Underpinning Ionode's reliability and performance is a proprietary method of automated glassblowing which provides precise, steadfast and time proven results in a variety of different membrane shapes including more complex styles such as spear and bullet. The process uses a specially prepared mass of glass and complex automation to ensure each membrane is consistent and exceeds high quality standards. The unique Ionode glass formula itself resists dehydration and breakage without sacrificing speed or accuracy.

The result is precise, all purpose, long life sensors with a renewable junction to effectively defeat contamination.

AUTOMATED GLASS BLOWING FOR PRECISE RESULTS



ionode

GOOD CHEMISTRY™



Technical support
Customer service
In-house R&D
Custom Sensor Manufacture



What's inside

IJ Series | Renewable Junction Electrodes

IH Series | Double Junction Electrodes

Budget Electrodes

Ion Selective Electrodes

Refillable Lab Electrodes

Industrial Screw-in Electrodes

Reference Electrodes

Voltammetry Research Electrodes



Premium and budget electrochemistry meters

Accessories, stands, stirrers

Photometers and reagents

Test strips

Visual test kits

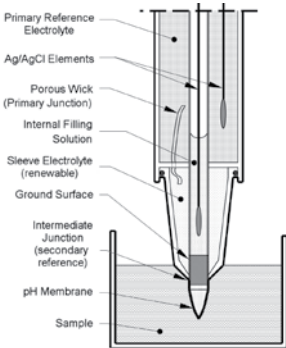
Reagents & buffers



www.ionode.com



ANATOMY OF AN IJ ELECTRODE

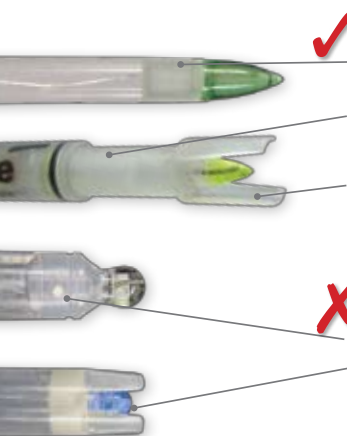


INDUSTRY RECOMMENDED



The right choice for delivering precision, durability and value.

Preferred suppliers to the following industries: water, waste water, food and beverage, wine, meat, education, medical, cosmetics, pharmaceutical, environmental, life science, agriculture, pool and spa, and dozens more ... Since 1972.



IONODE'S FREEFLOWING INTERMEDIATE JUNCTION

- Larger surface area provides premium performance
- Renewable reference sleeve defeats contamination
- Easy renewal of junction
- Each IJ comes with two reference sleeves, one for lab use, one for penetration.

INFERIOR JUNCTIONS

- small contact areas
- prone to blockage
- suitable only for clean samples

IJ SERIES

RENEWABLE INTERMEDIATE JUNCTION

pH



IJ-40

BULLET

IJ-44

SPEAR

IJ-46

FLAT

- 'A' glass for general use or 'C' glass for high alkaline application.
- Available with automatic temperature compensation.
- Available with high temperature solvent resistant barrel.

ION SELECTIVE



IJ-F • IJ-CN • IJ-Br • IJ-I

IJ-Cl • IJ-Ag₂S • ISE-NH₃

Fluoride, Cyanide, Bromide, Iodide,
Chloride, Silver/Silver Sulphide, Ammonia

ORP/METAL



IJ-64

Pt ORP

IJ-Ag

Silver Billet

IJ-Au

Gold ORP

- Available with high temperature solvent resistant barrel.

IH SERIES

DOUBLE JUNCTION / SEALED GEL

pH

ORP



IH-40A

Sealed Gel
pH 0-14

IH-40C

Sealed Gel
pH 0-14

IH-30

ORP

Economical, robust and recommended for use in many diverse applications including aquaculture, hydroponics, swimming pools, water treatment, environmental, corrosion and teaching. The Ionode Ag/AgCl double junction gives fast, accurate results, long life and is the right choice for routine use in reasonably clean samples. Easy clean bullet membrane, water-proof to 30ft/10m and available with optional ATC and optional in-line mounting kit.

ECO SERIES

SINGLE JUNCTION / SEALED GEL

The Ionode
ECO Series.

Economical
but robust

single junction sensor for
use in routine samples. Ideal
for education and domestic applications
and available in pH and ORP versions.

Optional in-line mounting kit available.



LAB RESEARCH SERIES



VOLTAMMETRY RESEARCH ELECTRODES

Electrochemistry electrodes for research using techniques such as cyclic voltammetry (CV). Choose from working electrodes (WE) with gold, platinum or glassy carbon discs, as well as counter/auxilliary (CE), and reference (RE) electrodes.

Ionode also offers calomel reference electrodes and other specialty products on request.

LAB SERIES

SINGLE JUNCTION / REFILLABLE

The Ionode Lab **P Series** refillable electrodes are economical plastic bodied sensors featuring the Ionode pedigree in a single junction Ag/AgCl reference. Rugged construction makes them perfect for teaching or lab applications where free-flowing electrolyte is required.



METERS

BENCHTOP, HAND HELD, POCKET, GLP.

Economically priced Pocket, Benchtop and Hand-held meters with large, easy to read displays suitable for any application.



pH/mV, Ion, Dissolved Oxygen, Conductivity, Salinity, Multi-Parameter.



Pocket pH meter with unique renewable electrolyte.

CONDUCTIVITY



Choose from a range of conductivity sensors for laboratory and field based measurements. Electrodes are available with a choice of body and plate material and K values to cover a wide range of applications.

PHOTOMETERS

REAGENTS, TEST STRIPS, KITS.



Accurate, simple to use and great value.

Photometers test for dozens of parameters including:

- chlorine, pH, alkalinity, salt, turbidity etc.
- sanitizers such as chlorine, chlorine dioxide and ozone.
- lead, cadmium, mercury and other heavy metals.
- cyanide, arsenic, pesticides, etc.
- water quality kits for home and education.
- choice of budget and premium models.
- Bluetooth enabled models for smartphone data collection.



Pool Ezy, Chlorine Ezy, iDip, PrimeLab

LAB ACCESSORIES

pH Buffers
Conductivity Standards
ORP Standards
Traceable Standards
ISE Standards/ISA Solutions
Cleaning Solutions
Refilling Solutions & Gels



Stirrers & Stands
Connectors, Cables & Adaptors

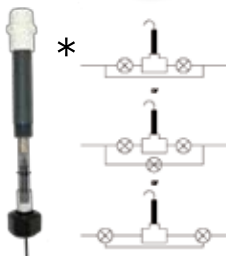


Lemo to BNC adaptor



In-Line & Process Solutions

* MK-01 mounting kit provides simple in-line fitting for IJ, IH and ECO Series electrodes.



SPECIFICATIONS

Contact Ionode for the range of customized sensors, membranes, cables, bodies etc.

HT (High Temp) Kynar construction for higher operating temperatures, higher resistance to solvents and increased strength and rigidity. Standard range features polypropylene body.

IJ SERIES - Intermediate Junction - Refillable - Submersible

Model	Parameter	Range	Temp.	Sensor	ATC.
IJ-40A	pH	0-14	0-60°C	Bullet	Opt.
IJ-40C (HT Opt)	pH	0-14	0-60°/100°C	Bullet	Opt.
IJ-44A	pH	0-14	0-60°C	Spear	Opt.
IJ-44C (HT Opt)	pH	0-14	0-60°/100°C	Spear	Opt.
IJ-46	pH	0-14	0-60°C	Flat	Opt.
IJ-64 (HT Opt)	ORP	±2000mV	0-60°/100°C	Pt wire	NA
IJ-Ag	titration	±2000mV	0-60°C	Ag rod	NA
IJ-14 (HT Opt)	Ref	-	0-60°/100°C	-	NA

IJ SERIES - Combination Ion Selective

Model	Ion(s)	Range ppm	pH range	Interferences
IJ-F	Fluoride F ⁻	0.02-19,000	5-7	OH ⁻
IJ-Cl	Chloride Cl ⁻	1.8-35,500	2-12	S ²⁻ , Br ⁻ , Cl ⁻ , CN ⁻
IJ-Br	Bromide Br ⁻	0.79-79,900	2-12	I ⁻ , S ²⁻ , CN ⁻
IJ-I	Iodide I ⁻	0.13-130,000	2-12	Br ⁻ , CN ⁻ , S ²⁻
IJ-CN	Cyanide CN ⁻	0.05-25	9-14	S ²⁻ , I ⁻ , Br ⁻
IJ-Ag ₂ S	Sulphide Ag ⁺ /S ²⁻	0.01-107,900 Ag ⁺	2-8	Hg ⁺ , Hg ²⁺
		0.03-32,100 S ²⁻	>11	
ISE-NH3	Ammonia NH ₃	0.01-17,000	>11	Volatile amines

IH SERIES - Double Junction - Sealed Gel - Submersible

Model	Parameter	Range	Sensor	ATC	Construction
IH40A	pH	pH 0-14	Bullet	Optional	Polypropylene
IH40C	pH	pH 0-14	Bullet	Optional	Polypropylene
IH30	ORP	±2000mV	Pt wire	NA	Polypropylene

ECO SERIES - Single Junction - Sealed Gel

Model	Parameter	Range	Sensor	ATC	Construction
ECO pH	pH	pH 0-12	Bulb	Optional	ABS
ECO ORP	ORP	±2000mV	Bulb	-	ABS

P SERIES - Single Junction - Refillable

Model	Parameter	Range	Sensor	Construction
PBFA	pH	pH 0-14	Bulb/3 frits (LIS)	Polypropylene
PBFC	pH	pH 0-14	Bulb	Polypropylene
PJFO	Ref	-	Ref.	Polypropylene
PRFO	ORP	±2000mV	Pt wire	Polypropylene

Specifications are subject to change without notice.



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