



PREPACKAGED ZINC REFERENCE ELECTRODE

PRODUCT DATA SHEET

Prepackaged Zinc Reference Electrode

Zinc reference electrodes are used to measure electrical potentials in cathodic protection system. Prepackaged in a cotton bag with moisture retaining backfill, this zinc reference electrodes have the longest life of any of the permanent type reference electrodes.

Our backfill is prepared with the following naturally degradable and recyclable materials according to a certain weight ratio:

- Powdered Hydrated Gypsum: 75%
- Granular Bentonite: 20%
- Anhydrous Sodium Sulphate: 5%

The content of harmful elements in the backfill is lower than industrial safety standards, which will not bring any pollution to the surroundings.

- Cadmium(Cd): ≤ 1 ppm
- Arsenicum(As): ≤ 1 ppm
- Mercury(Hg) : ≤ 1 ppm
- Phosphorus(P): ≤ 10 ppm

Our zinc reference electrode is intended for use on buried metallic structures, such as underground pipelines, storage tanks, etc.

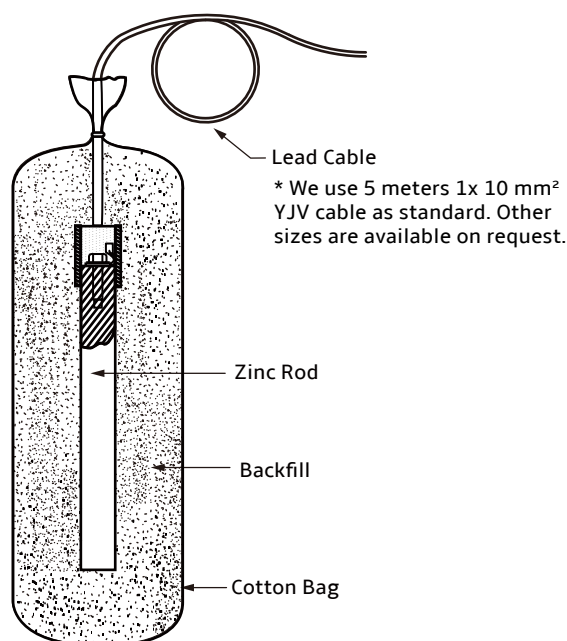
CHEMICAL COMPOSITION

Our zinc rod is manufactured from high purity zinc (99.9%) to assure consistent quality.

Element		Content (%)
Aluminum	(Al)	0.4 ~ 0.6
Lead	(Pb)	0.006 ~ 0.15
Iron	(Fe)	0.0014 max.
Copper	(Cu)	0.005 max.
Cadmium	(Cd)	0.075 ~ 0.125
Other Impurities		0.100 max.
Zinc	(Zn)	Remainder

ELECTROCHEMICAL PROPERTIES

Technical Measurement	Performance
Electrode Potential	- 940 mV (25 °C vs SHE)
Potential Stability	± 15 mV (at 0.3 mA)
Insulation Resistance	> 1 M Ω
Operating Temperature	0 °C ~ 55 °C



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SPECIFICATIONS

Item No.	Zinc Rod Dimensions	Packaged Size	Packaged Weight
YX-ZRE-B33	Ø33x280mm (Ø 1.3"x11")	Ø140x530mm (Ø 5.5"x21")	10 kg (22 lbs)
YX-ZRE-B50	Ø50x280mm (Ø 2.0"x11")	Ø140x530mm (Ø 5.5"x21")	12 kg (26 lbs)

Note: All dimensions and weights shown above are nominal. The information provided is subject to change without notice.





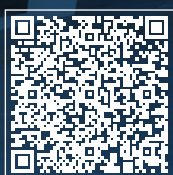
Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheeps with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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