

Thru-Wall NPI Reference Electrode

Featuring **NEW NanoPore™ Interface Technology**

High-Stability Electrodes for Internal Vessel Measurement

316 SS Fitting and a Replaceable Element

Product Data Sheet



Reference with Junction Boxes Options



316 SS Fitting & Replaceable Element

CerAnode's NEW electrodes feature **NanoPore™ Interface (NPI) Technology** designed to withstand high turbulence and maintain much greater long term control of the cell's internal electrolyte concentration and purity. The net result is High Stability Electrode with a Longer Life.

This electrode also features a Replaceable Electrode Element which means greater ease and economy of service if the process should ever contaminate the junction. Although our standard stocked Process Fitting is 316 Stainless Steel with $\frac{3}{4}$ ", 1" or $1\frac{1}{4}$ " NPT, in-house CNC machines allow us to offer special thread sizes and material requirements as well as special designs. The terminal end of the electrode fits a standard rigid conduit box LB or explosion proof GAUB available from CerAnode or more economically from your local Electrical Supply.

Reference Electrode Specification

- 20-Year Service Design Life
- Infinite Shelf Life if Cell Cap is maintained with irrigation fluid
- Reference Tube Material Option 1 = G-10 High Strength FRP
- Reference Tube Material Option 2 = Teflon Chemically Resistant TFE
- Processing Fitting Material = 316 Stainless Steel
- Pressure rating 150 PSI
- Stability +/- 10 mV with Momentary 3.0 Microampere Load
- Temperature Limit 140° F (Consult CerAnode for Higher Temp.)
- Electrode Tube Protrudes into Process 2-½ " from End of Threads
- Standard Junction Box Threads mate to LB or GAUB Boxes

Reference Electrode Options (junction boxes are priced separately)

Description	Part Number
Silver/Silver Chloride for Sea or Brackish Water	RPR-AGS-8R-(G or T) ¹ -(Thread Size ²)
Copper Sulfate for Fresh Water	RPR-CUF-8R-(G or T) ¹ -(Thread Size ²)
Zinc Sulfate for Fresh Water	RPR-ZNF-8R-(G or T) ¹ -(Thread Size ²)
Zinc Dry for Sea or Brackish	RPR-ZDS-8R-(G or T) ¹ -(Thread Size ²)

Note 1 -- For G-10 FRP tube choose "G" suffix and "T" for a Teflon tube option

Note 2 -- Thread Sizes and Types can be accommodated starting with 3/4" NPT

The most commonly used items are highlighted in light yellow

Junction Box Options

Description	Part Number
Std. 3/4" LB Electrical Junction Box (aluminum)	JB-LB-3/4
Std. 3/4" GUAB Explosion Proof Junction Box	JB-GUAB-3/4