



Model CU-1-UGPC

copper-copper sulphate (Cu-CuSO₄)
(for soil 200 ppm chloride and less.)
Size 1.5" DIA. x 6" long space age inert praseodymium membrane ceramic tube with **yellow** protective caps.
Lead Wire: 30' of #14 RHH-RHW yellow.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 135°F (0° to 57.2°C)

Model ZN-4-UGPC

zinc-zinc sulphate (Zn-ZnSO₄)
(For soil 200 ppm chloride and less)
Size 1.5" DIA. x 6" long space age **red** inert cadmium membrane ceramic tube with **red** protective caps.
Lead Wire: 30' of #14 RHH-RHW red or black.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 135°F (0° to 57.2°C)

Model AG-4-UGPC

silver-silver chloride (Ag-AgCl)
(for soil 200 ppm chloride or higher.)
Size 1.5" DIA. x 6" long space age **blue** inert cobalt membrane ceramic tube with **blue** protective caps.
Lead Wire: 30' of #14 RHH-RHW blue or black.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 150°F (0° to 65.5°C)

Model CU-3-BD

copper-copper sulphate (Cu-CuSO₄)
(for soil 200 ppm chloride and less.)
Size .83" DIA. x 6" long space age inert praseodymium membrane ceramic tube with **yellow** protective caps.
Lead Wire: 30' of #14 RHH-RHW yellow.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 135°F (0° to 57.2°C)

Model CU-1-UGPC-BC

Copper-Copper Sulphate (Cu-CuSO₄)
(for soil 200 ppm chloride and less.)
Size 1.5" DIA. x 6" long space age ceramic tube prepackaged in a yellow cotton bag in special non-polarizing backfill. Overall size is approx. 3" Dia. x 14" long, cell equipped with steel coupon(s).
Lead Wire: 30' of (3) conductor #14 AWG Station Control VW-1 THHN cable.
Stability: +5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 135°F (0 to 57.2°C)
Features 3 Standard Sizes:

Model **CU-1-UGPC-BC-1** (1cm² Coupon)
Model **CU-1-UGPC-BC-10** (10 cm² Coupon)
Model **CU-1-UGPC-BC-100** (100 cm² Coupon)

Model CU-1-UGPC-C

Copper-Copper Sulphate (Cu-CuSO₄) (for soil 200 ppm chloride and less.)
Size 1.5 DIA. x 2.5" long space age ceramic tube, cell equipped with coupon(s). Overall 1.6" DIA. x 9.75"
Lead Wire: 30' of (3) conductor #14 AWG Station Control VW-1 THHN cable.
Stability: +5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 150°F (0 to 65.5°C)

Model CU-1-UG

copper-copper sulphate
(for soil 200 ppm chloride or less)
Size 2" DIA. x 7" high impact ABS plastic tube packaged (yellow cotton bag) in special non-polarizing backfill. Overall size is approx. 6" DIA. x 14" long, approx. weight 15#. Special size upon request.
Reinforcing rods: 1/4" x 3" PVC@ electrode end.
Lead Wire: Standard 30' of #14 AHH-AHW.
Design life: 30 years.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32" to 132°F (0" to 57.2°C)

Model ZN-4-UG

zinc-zinc sulphate
(for soil 200 ppm chloride or less)
Size 2" DIA. x 7" high impact ABS plastic tube packaged (red cotton bag) in special non-polarizing backfill. Overall size is approx. 6" DIA. x 14" long, approx. weight 15#. Special size upon request.
Reinforcing rods: 1/4" x 3" PVC@ electrode end.
Lead Wire: Standard 30' of #14 AHH-AHW.
Design life: 30 years.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32" to 132°F (0" to 57.2°C)

Model AG-4-UG

silver-silver chloride
(for soil 200 ppm chloride or higher)
Size 2" DIA. x 7" high impact ABS plastic tube packaged (blue cotton bag) in special non-polarizing backfill. Overall size is approx. 6" DIA. x 14" long, approx. weight 15#. Special size upon request.
Reinforcing rods: 1/4" x 3" PVC@ electrode end.
Lead Wire: Standard 30' of #14 AHH-AHW.
Design life: 30 years.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 130°F (0° to 65.5°C)

Model CU-1-UGSL

Copper-Copper Sulphate (Cu-CuSO₄)
(for soil 200 ppm chloride and less)
Size 1.25" DIA. x 6" long PVC tube prepackaged in a yellow cotton bag in special non-polarizing backfill. Overall size is approx. 3" Dia. x 14" long.
Lead Wire: 30' of #14 RHH-RHW yellow.
Stability: +5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 135°F (0 to 57.2°C)

**Model ZN-4-UGSL**

Zinc-Zinc Sulphate ($Zn-ZnSO_4$)
(for soil 200 ppm chloride and less)
Size 1.25" DIA. x 6" long PVC tube prepackaged in a yellow cotton bag in special non-polarizing backfill. Overall size is approx. 3" Dia. x 14" long.
Lead Wire: 30' of #14 RHH-RHW red.
Stability: +5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 135°F (0 to 57.2°c)

Model AG-4-UGSL

Silver-Silver Chloride (Ag-AgCl)
(for soil 200 ppm chloride or higher)
Size 1.25" DIA. x 6" long PVC tube prepackaged in a yellow cotton bag in special non-polarizing backfill. Overall size is approx. 3" Dia. x 14" long.
Lead Wire: 30' of #14 RHH-RHW blue.
Stability: +5 millivolts with 3.0 microamp load.
Temperature Range: 32° to 150°F (0 to 65.5°c)

Model CU-2-FW

for fresh water service copper-copper sulphate.
Size 1" DIA. x 8" long ABS plastic high impact yellow tube.
Lead Wire: 30' of #14 RHH-RHW yellow wire.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 135°F (0' to 57.2°c)

Model ZN-4-FW

for fresh water service zinc-zinc sulphate.
Size 1" DIA. x 8" long ABS plastic high impact red tube.
~ **Lead Wire:** 30' of #14 RHH-RHW red or black.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 135°F (0' to 57.2°c)

Model AG-3-SW

for salt water service silver-silver chloride
Size 1" DIA. x 8" long ABS plastic high impact blue tube.
Lead Wire: 30' of #14 RHH-RHW black or blue wire.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 130°F (0' to 65.5°c)

Model CU-4-PT

Portable copper-copper sulphate reference electrode
Connection stud: 1/4" - 20 copper.
Size 1" DIA. x 8" long ABS Plastic High Impact yellow Housing.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 135°F (0' to 57.2°c)

Model ZN-4-PT

Portable zinc-zinc sulphate reference electrode
Connection stud: 1/4" - 20 plated brass.
Size 1" DIA. x 8" long ABS Plastic High Impact red Housing.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 135°F (0' to 57.2°c)

Model AG-4-PT

Portable silver-silver sulphate reference electrode
Connection stud: 1/4" - 20 brass.
Size 1" DIA. x 8" long ABS Plastic High Impact blue Housing.
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 130°F (0' to 65.5°c)

Model CU-4-PTH "Heavy"

Portable copper-copper sulphate reference electrode
Liquid or gelatin filled
Size 2" DIA. x 4" long PVC yellow tube
Connection Stud: 3/8 copper
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32" to 135°F (0" to 57.2

Model ZN-4-PTH "Heavy"

Portable zinc-zinc sulphate reference electrode
Liquid or gelatin filled
Size 2" DIA. x " long PVC red tube
Connection Stud: 3/8 copper
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32' to 135°F (0' to 57.2°c)

Model AG-4-PTH "Heavy"

Portable silver-silver sulphate reference electrode
Liquid or gelatin filled
Size 2" DIA. x 4" long PVC blue tube
Connection Stud: 3/8 copper
Stability: + - 5 millivolts with 3.0 microamp load.
Temperature Range: 32" to 130°F (0' to 65.5°c)

Model AG-4-PT1 Portable electrode is deep water rugged use and can

be used in salt water and saturated saline water conditions such as off shore platforms, offshore pipelines and seawater docks (ssp).

The PT1 features the following:

Tapered end caps protect sealed connection and eliminate platform/docks nags. Special pvc housing for streamlined attachment of electrode weights. Electrode is color coded blue for ease to cell type determination. Special silver-silver chloride rod allows for calibration and chloridizing repair if needed in field prior to use. Ideal for use with R.O.V. equipment. Available in dual element upon request. Standard weight size 1 1/4 #, 2 1/2 #, and 3 3/4 #. Electrode size 1 5/16" dia. x 9" long.

Model AG-4-PT2

Portable electrode is designed for standard every day use in 0 - 100' water depths and can be used in salt water and saturated saline water conditions such as off shore platforms, offshore pipelines, seawater docks (ssp) and boats or ships.

The PT2 features the following:

High impact ABS plastic housing with 30' of #14 RHH-RHW cable. The electrode is pre-weighted. Special silver-silver chloride element allows for calibration and chloridizing repair if needed in the field prior to use. Ideal for medium to light potential work. Color coded blue for ease of electrode type determination. 1" dia. x 8" long.



Model AG-4-PT3

Portable electrode is designed for very light everyday use for performing potential surveys on private yachts and boats.

The PT2 features the following:

High impact ABS plastic housing with 25' of #14 tinned copper cable marine grade. The electrode is pre-weighted. Special silver-silver chloride element allows for calibration and chloridizing repair if needed in the field prior to use. Ideal for performing potential surveys on yachts and small boats. Color coded light blue for ease of electrode type determination. 1" dia. x 5" long.

The thru-hull mounting assembly is designed to provide easy installation of special submersible "STAPERM" reference electrodes. Each electrode comes complete with test lead junction box, electrode sealing system and 3/4" N.P.T. threaded fitting for mounting directly through the structure wall. The electrode can be readily removed and re-installed from the exterior of the vessel (not under pressure).

Specifications:

- Minimum 20 year service life
- 1/2" x 6" long teflon tube mounted in high pressure packing gland with 3/4" N.P.T.
- pressure rating 350 PSI
- Stability + - 5 millivolts with 3.0 microamp load
- Temperature limit 140° F
- 3/4" NPT Stainless steel pressure gland

Three models available:

Model CU-6-TH (copper sulfate)

Model ZN-6-TH (zinc sulfate)

Model AG-6-TH (silver chloride)