**Model CU-1-UGPC**

copper-copper sulphate (CU-CUS04)

(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-ZnS04)

(For soil 200 ppm chloride and less)

Size 1.5" 01A. 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-AgCI)

(for soil 200 ppm chloride or higher.)

Size 1.5" OIA.x 6" long space age **blue** inert

colbalt 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-CUS04)

(for soil 200 ppm chloride and less.)

Size .83" DIA. .x 6" long space ageinert 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-ZnSO₄)

(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 PT1features the following:

Tapered end caps protect sealed connection and eliminate platform/docksnags. 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 duel 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 - 1 00' 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 preforming 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 preforming 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"1ong 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 limit140o 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)**