

## REFERENCE ELECTRODES

## 3.5.2

### STAPERM<sup>®</sup> PERMANENT REFERENCE ELECTRODES

There are three basic types of STAPERM<sup>®</sup> Permanent reference electrode.  
All Liquid or Gelatine filled.  
All Pre-packaged for underground burial.

- Features:
- **Colour Coded Bag for easy identification**
  - **Infinite Shelf Life**
  - **Minimum Service Life 20 Years**
  - **High Impact ABS Plastic Housing Corrosive Environment Resistant**
  - **Copper Sulphate and Zinc Sulphate Electrodes equipped with advanced Chloride Ion Trap to prevent Chloride contamination**

#### Copper/Copper Sulphate CU-1-UG

Size: 2" dia x 7" long High Impact ABS Plastic Tube Packaged in **YELLOW BAG** with special Non-Polarising backfill. Overall size 6" x 14".  
Lead Wire: Standard 50' of #14 RHH-RHW  
Weight Apx. 7Kg  
Stability: ± 5 millivolts with 3.0 Micro amp load  
Temperature range: 32° to 135°F

#### Silver/Silver Chloride AG-4-UG

Size: 2" dia x 7" long High Impact ABS Plastic Tube Packaged in **BLUE BAG** with special Non-Polarising backfill. Overall size 6" x 14".  
Lead Wire: Standard 50' of #14 RHH-RHW  
Weight Apx. 7Kg  
Stability: ± 5 millivolts with 3.0 Micro amp load  
Temperature range: 32° to 150°F

#### Zinc/Zinc-Sulphate ZN-4-UG

Size: 2" dia x 7" long High Impact ABS Plastic Tube Packaged in **RED BAG** with special Non-Polarising backfill. Overall size 6" x 14".  
Lead Wire: Standard 50' of #14 RHH-RHW  
Weight Apx. 7Kg  
Stability: ± 5 millivolts with 3.0 Micro amp load  
Temperature range: 32° to 135°F



**COPPER-COPPER SULPHATE  
MODEL CU-1-UG**



**SILVER-SILVER CHLORIDE  
MODEL AG-4-UG**



**ZINC-ZINC SULPHATE  
MODEL ZN-4-UG**

**STAPERM<sup>®</sup> PERMANENT CERAMIC REFERENCE ELECTRODES****3.5.2**

There are also three basic types of Ceramic STAPERM<sup>®</sup> reference electrode for Underground and Concrete Encased applications.

All Liquid or Gelatine filled.

With Spaceage Porous Ceramic Contact Plug.

Features: - **Colour Coded for easy identification**

- **Infinite Shelf Life - Minimum Service Life 20 Years**

- **Copper Sulphate and Zinc Sulphate Electrodes equipped with advanced Chloride Ion Trap to prevent Chloride contamination**

- **All Electrodes are side reading**

- **Electrodes will not dry out in arid soils. Moisture content change in soil has no effect on Electrode.**

- **Three sizes available 15 sq.in. – 28 sq.in. – 33 sq.in. Greater surface area than other standard electrodes will allow readings to be achieved with more accuracy.**

**Copper/Copper Sulphate CU-1-UGPC**

Size: 1½" dia x 6" long Spaceage Ceramic tube with **YELLOW CAP**

Lead Wire: 50' of #14 RHH-RHW Yellow

Stability: ± 5 millivolts with 3.0 Micro amp load

Temperature range: 32° to 135°F (0° to 57°C)

**Zinc/Zinc-Sulphate ZN-4-UGPC**

Size: 1½" dia x 6" long Spaceage Ceramic tube with **RED CAP**

Lead Wire: 50' of #14 RHH-RHW Red or Black

Stability: ± 5 millivolts with 3.0 Micro amp load

Temperature range: 32° to 135°F (0° to 57°C)

**Silver/Silver Chloride AG-4-UGPC**

Size: 1½" dia x 6" long Spaceage Ceramic tube with **BLUE CAP**

Lead Wire: 50' of #14 RHH-RHW Blue or Black

Stability: ± 5 millivolts with 3.0 Micro amp load

Temperature range: 32° to 135°F (0° to 57°C)

