

# Model US50 - SlimLine<sup>(TM)</sup> Reference

## Typical Applications:

- Underground and aboveground storage tanks, buried pipelines, elevator shafts

## Featuring:

- 50 year design life with EDI's LongLife<sup>(TM)</sup> gelled element
- Can be installed in a 2 inch (5 cm) diameter hole
- Proprietary backfill mix to retain moisture and minimize migration of contaminants from the surrounding soil
- 50 feet (15 m) of #14 AWG HMW/PE lead wire is standard



## Housing Specifications

Size – 1 5/8 inch dia. x 22 inch long  
(4.2 cm dia. x 56 cm long)  
Shipping weight – 6 lb (2.7 kg)

## Element Specifications

Design life – 50 years  
Shelf life – 1 year minimum  
Stability -  $\pm 5$  mV

## Element Types

AGG - saturated gelled Ag/AgCl  
CUG - saturated gelled Cu/CuSO<sub>4</sub>

## Design Compatibility

The **Model US50** is designed for installation in a 2 inch (5 cm) diameter hole. It is ideal for retrofit through asphalt or concrete where it is difficult or costly to drill a larger diameter hole. This electrode can be used between storage tanks at service stations or between the primary and secondary containment of an aboveground storage tank. Also, the **Model US50** weighs far less than the industry standard bagged electrode, which reduces shipping costs where this is a consideration.

## Installation

Drill a 2 inch (5 cm) dia. hole, lower the electrode into place and slurry in backfill.

## Terminations

SW – 50 feet (15 m) of #14 AWG HMW/PE  
LWnnn - nnn feet #14 AWG HMW/PE  
CWnnn - nnn feet of custom wire  
(#12 HMWPE is the largest size wire that can be used on this model)

## Model Designation

Specify as EDI Model US50-xxx-yy  
xxx = Element type  
yy = Termination type

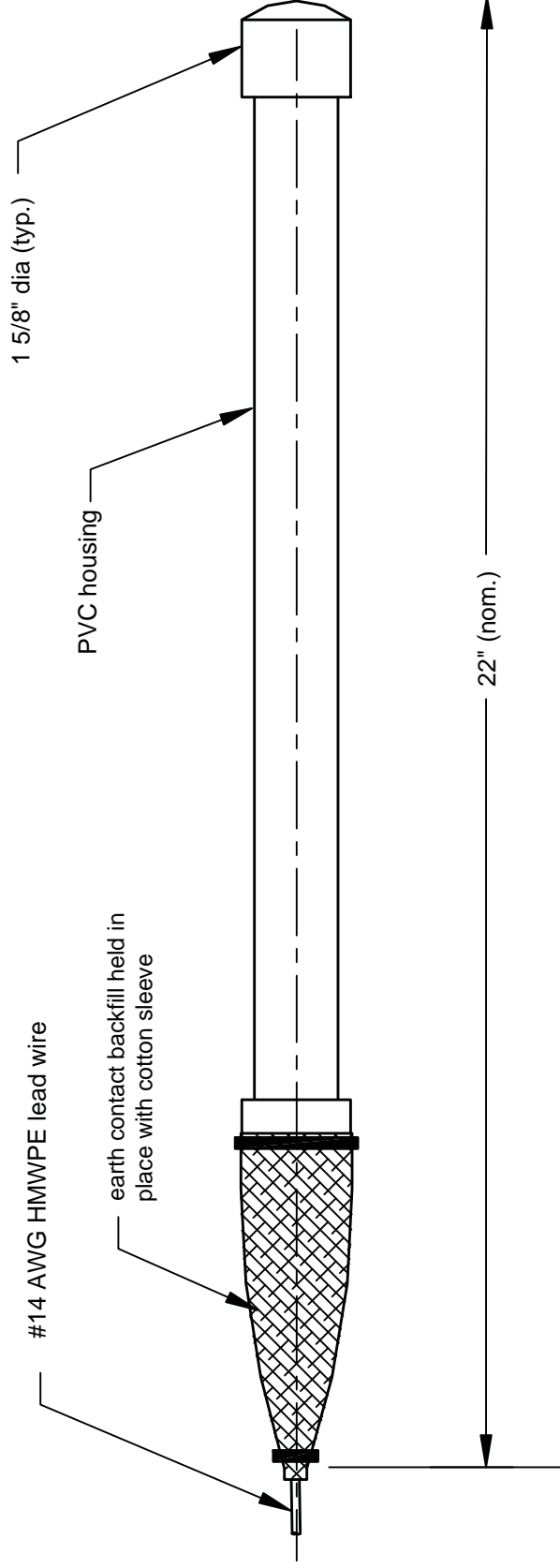
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*U Series  
Underground  
Reference  
Electrodes*



## Model US50 - 50 year (nom.) design life



Specify as Model US50-xxx-yy where  
 xxx is element type and  
 yy is termination type

### Element Types

AGG = Ag/AgCl (saturated, gelled)  
 CUG = Cu/CuSO<sub>4</sub> (saturated, gelled)

### Termination Types

SW - 50' #14AWG HMWPE lead wire  
 LWnnn - nnn' #14 AWG HMWPE lead wire

Refer to the following EDI drawings for installation guidance:  
 USAPP1 - Installation in a bore hole  
 USAPP2 - Installation beneath an above ground storage tank  
 USAPP3 - Installation in a test station riser

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**SlimLine™ Underground Reference**

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