Model US50 - SlimLine\(^{TM}\) Reference

**Typical Applications:**
- Underground and aboveground storage tanks, buried pipelines, elevator shafts

**Featuring:**
- 50 year design life with EDI's LongLife\(^{TM}\) 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 - ± 5 mV

**Element Types**
- AGG - saturated gelled Ag/AgCl
- CUG - saturated gelled Cu/CuSO\(_4\)

**Terminations**
- SW – 50 feet (15 m) of #14 AWG HMW/PE
- LW\(\text{n}n\)n - \(n\)n feet #14 AWG HMW/PE
- C\(\text{n}\)W\(\text{n}n\)n - \(n\)n feet of custom wire
  - (#12 HWMPE 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

**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.
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/CuSO4 (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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