Model UL50 - LongLife\(^{\text{TM}}\) Reference

**Typical Applications**

- Underground storage tanks, buried pipelines, structures below concrete flooring

**Featuring**

- 50 year design life with EDI's LongLife\(^{\text{TM}}\) gelled element
- 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; other lengths available.

**Housing Specifications**

- Size - 7 inch dia. x 16 inch long (18 cm x 40 cm long)
- Shipping weight - 25 lb (12 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
- 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 UL50-xxx-yy

- xxx = Element type
- yy = Termination type

**Design Compatibility:**

The Model UL50 is designed for very long-term permanent use to obtain accurate potential measurements on buried structures. It is the best choice for those applications where easy installation is possible, such as an open hole or trench, but subsequent access would be difficult. For those situations where there is limited space, the EDI Model US is recommended. A Cu/CuSO\(_4\) element should be used in low chloride soils (<500 ppm) while a Ag/AgCl element is recommended for high chloride soil (>500 ppm) in order to obtain the longest possible life.
Model UL50 - 50 year (nom.) design life

Specify as EDI Model UL50-xxx-yy
where xxx is element type and yy is termination type

Installation
Remove bagged element from shipping carton.
Place in position in hole.
Thoroughly saturate the bag with potable water;
use at least 5 gallons.
Measure and record potential of permanent electrode
using a calibrated portable reference electrode.
Refill hole with suitable backfill.

Element Types
AGG = Ag/AgCl (saturated, gelled)  
CUG = Cu/CuSO4 (saturated, gelled)

Termination Types
SW = 50' #14 AWG HMWPE lead wire
LWnnn = nnn' #14 AWG HMWPE lead wire