

Model UL50 - LongLife^(TM) Reference

Typical Applications

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

Featuring

- 50 year design life with EDI's LongLife^(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/CuSO₄

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/CuSO₄ 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.

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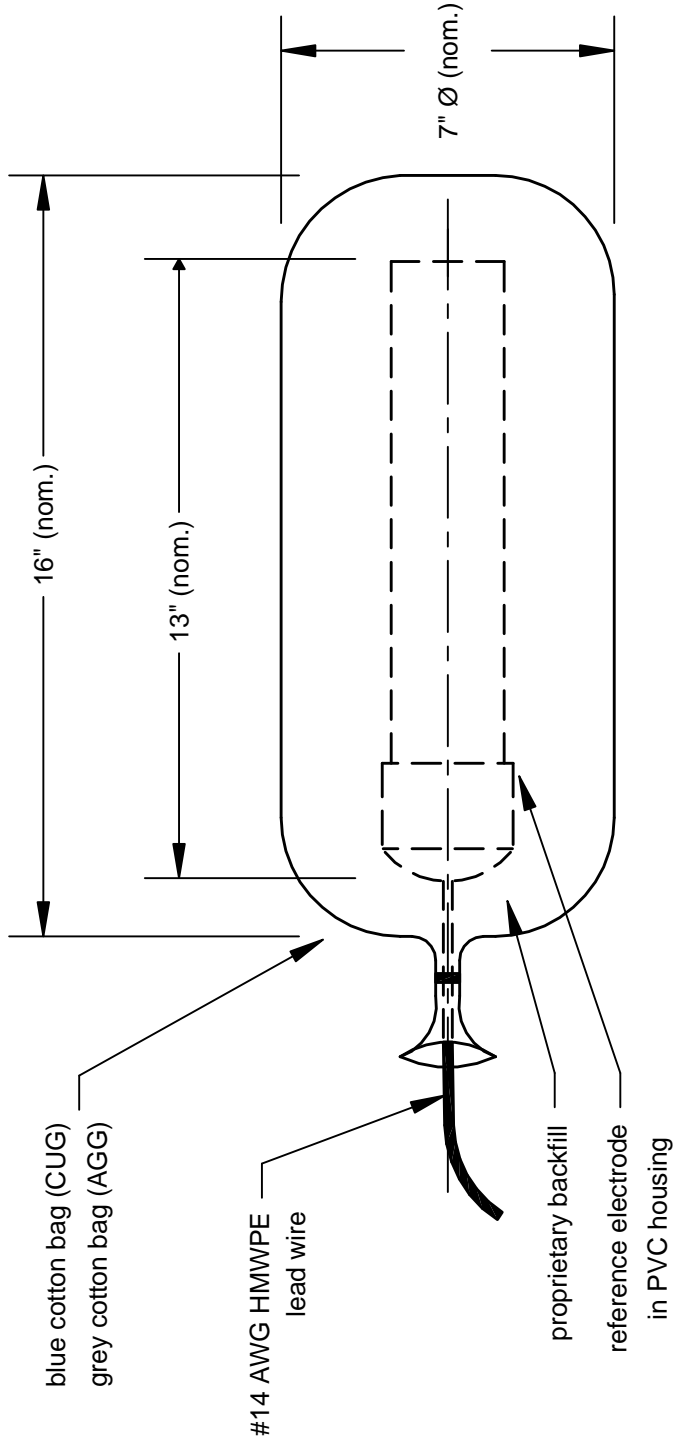
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*U Series
Underground
Reference
Electrodes*



Model UL50 - 50 year (nom.) design life

Specify as EDI Model UL50-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' #14 AWG HMWPE lead wire
LWnnn = nnn' #14 AWG HMWPE lead wire

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.

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Permanent Underground Reference

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