

Model CWS – Short Potential Well

Typical Applications

- Bridge decks and substructures, parking garages, docks and buildings

Featuring

- No need to wet down the surface to take potential readings on rebars
- Ability to take potential readings under surfaces covered with a membrane or sealer
- Elimination of errors from reading through a carbonated surface layer
- Fixed location for consistency in comparing data with previous readings
- Low in cost, easy to install, simple to use



Housing Specifications

1 ½ inch (3.8 cm) dia. PVC fitting
Pipe plug with 9/16 in. (1.4 cm) hex socket
Cotton bag with special backfill

Model Designation

Specify as EDI Model CWS-HOL-x
x = B for Black plug, Y for yellow plug

Application Notes:

The **Model CWS** Short Potential Well is intended for use where it can be accessed by a portable reference electrode. It is a cost effective way to obtain accurate field data at many locations. The **Model CWS** can also be used to calibrate a permanent embedded reference electrode by placing it adjacent to the permanent electrode. For proper installation, it should be placed as close as possible to the rebar where measurements are to be taken. Ideally, there should be a layer of the original concrete between the potential well and the rebar. To take readings: remove the threaded plug with the hex socket adapter, wet the foam, and then press a calibrated portable reference electrode into the foam. For installations where it is not convenient to take potential readings directly over the rebar, such as traffic lanes, bridge substructures or high rise towers and buildings, a version with a salt bridge (Luggin) extension is available. See the EDI Data Sheet for the Potential Well (Long), **Model CWL**.

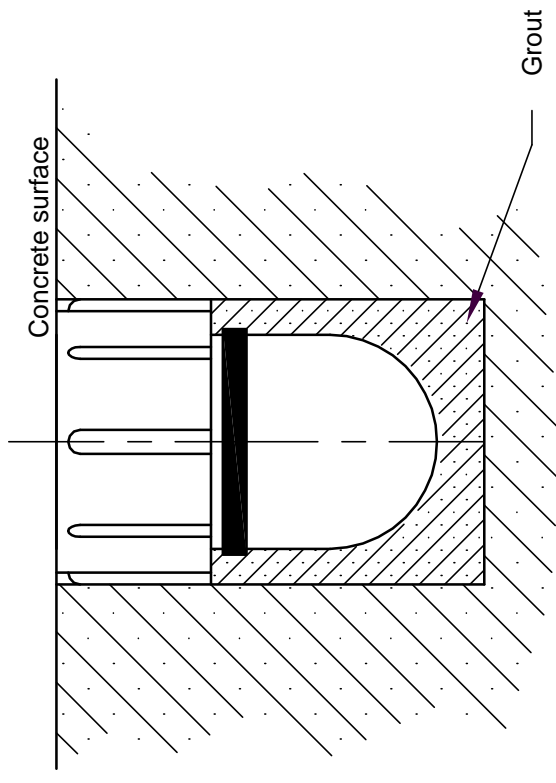
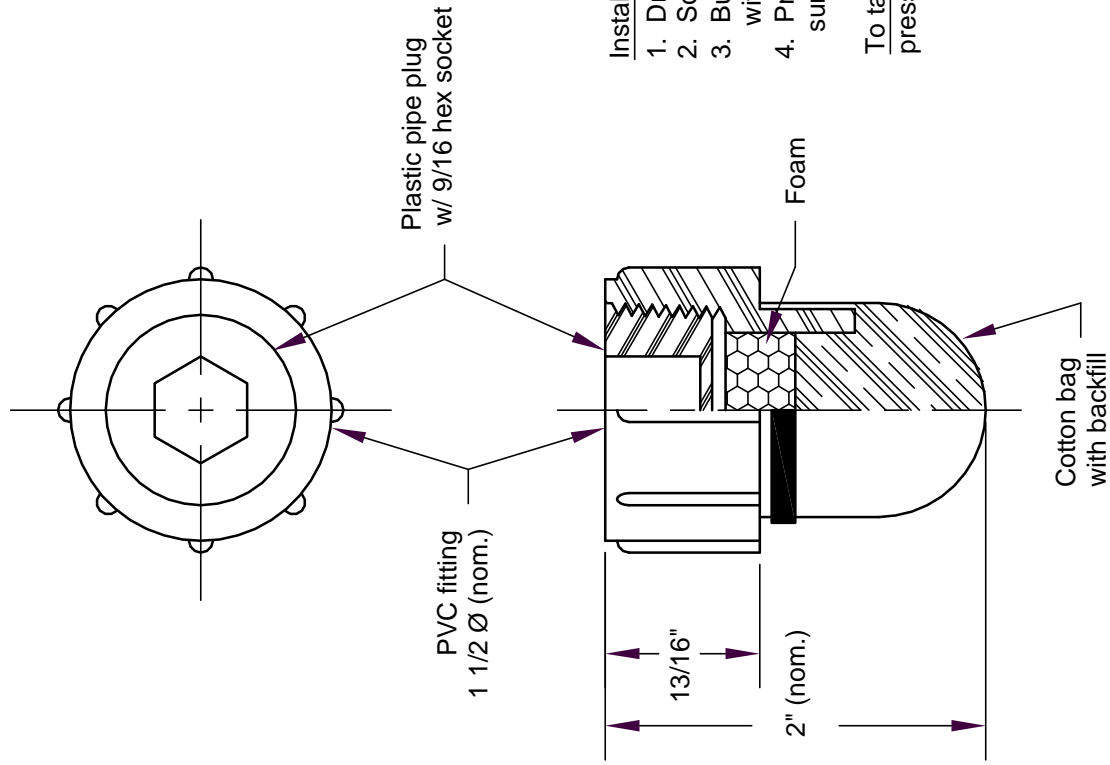
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*C Series
Concrete
Products*



Specify as EDI Model CW-HOL-S



Installation

1. Drill 1 1/2" \O x 2 1/4" hole in concrete.
2. Soak backfill in water for 5 minutes.
3. Butter inside of hole with portland cement grout. Patching cement with either vinyl or acrylic additives must not be used for grout.
4. Press Potential Well into hole until it is flush with concrete surface. Excess grout will exude out around fitting.

To take readings: remove threaded plug, moisten foam, press portable reference electrode into foam.

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Concrete Potential Well - Short

SCALE FULL

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