

Model CM – Ag/AgCl Probe for Concrete

Featuring

Long term reliability with thermodynamically stable Ag/AgCl element

Proprietary grout surrounding the element provides low resistance coupling to concrete

Typical Applications

Model CM can be used in all types of concrete structures. When it is used in seawater applications, where the chloride level of the pore water is expected to remain nearly constant, it functions as a reference electrode providing stable reproducible potential readings. When used in other structures in which the chloride level can vary slowly over time, Model CM provides short term stability suitable for depolarization measurements. This product is a replacement for graphite probes.



Housing Specifications

1 1/4 inch (3 1/2 cm) dia. x
2 1/4 inch (6 1/2 cm) long
Shipping weight – 0.4 lb (0.25 kg)

Element Specifications

Design life – min. 30 yrs.
Shelf life - 1 year minimum

Element Types

AGC - Ag/AgCl for concrete

Terminations

2Wnnn - nnn ft. of #18 AWG 2 conductor shielded cable plus 3 ft RHW/USE structure wire

SWnnn - nnn ft of #14 RHW blue
CWnnn – nnn ft wire as specified

Model Designation

Specify as Model **CM-AGC**-termination code

Installation Notes

Model CM should be installed directly in the concrete as close as possible to the rebar where measurements are to be taken. Allow 60 days from the date of installation for the electrode to equilibrate to its surroundings. When used in marine concrete structures such as seawalls, bridge pilings, piers and docks, Model CM will remain stable after equilibration.

Model CB-AGG reference electrodes should be used when long term stability is required in structures where conditions vary, or for concrete in fresh or brackish water.

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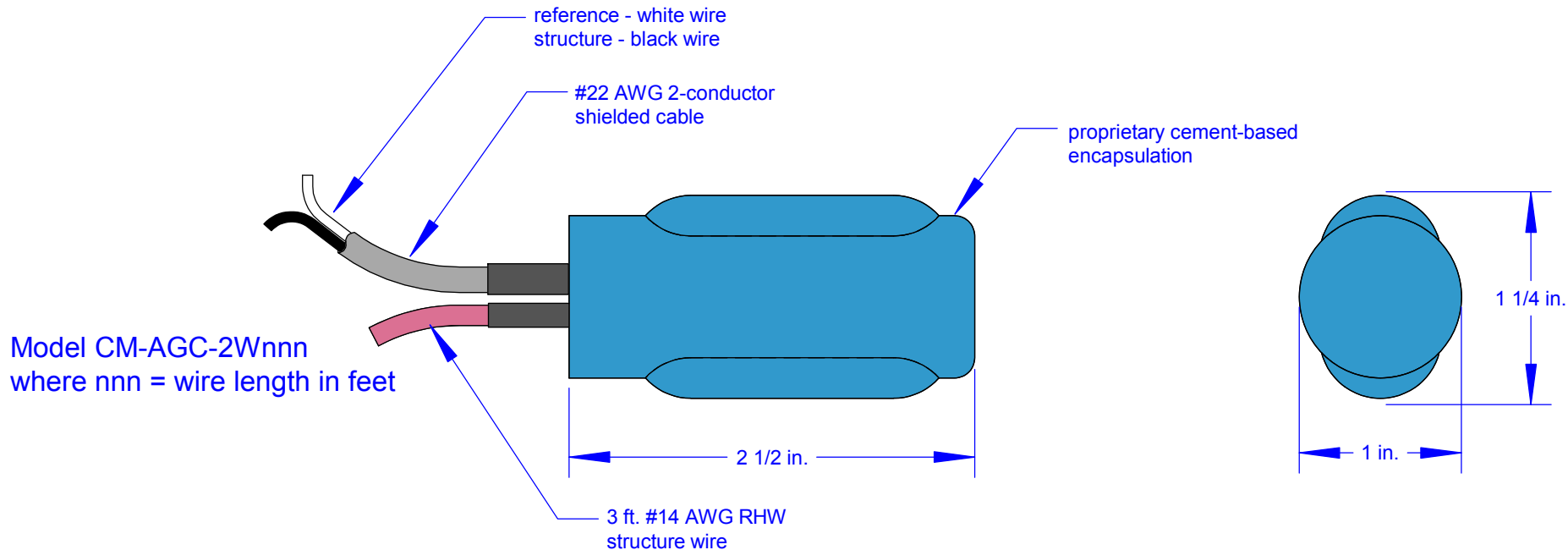
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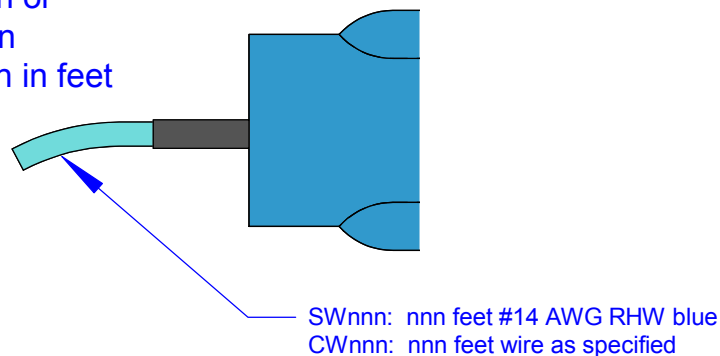
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*C Series
Concrete
Products*



Model CM-AGC-SWnnn or
Model CM-AGC-CWnnn
where nnn = wire length in feet



EDI Model CM-AGC is installed directly in concrete using a grout composition that matches that in the original structure. Non-conductive additives such as plasticizers must not be used in the grout mix. During the first sixty days after installation, the reference potential may shift as the electrode equilibrates with its surroundings.