Cor-Map® System

A simple and economical method for identifying areas of probable rebar corrosion

Product Information

An economical method for identifying areas of corrosion.

A high impedance voltmeter is connected between the reinforcing steel and a Cu-CuSO4 reference electrode on the concrete surface where a measurement can be made for the half-cell potential.

This is a measurement of the probability of corrosion activity. By testing at a fixed distance apart, a grid of half-cell potentials can be developed and areas delineated.

To analyze the results, the measurements made with Cor Map® can be plotted on a grid and lines of equipotential contours drawn, highlighting areas of possible corrosion activity.

Features & Benefits

- Easy to use.
- Detachable electrode extension pieces facilitate measurements in hard to reach locations.
- High impedance digital meter is designed for tough field conditions.
- Electrode is designed for use on horizontal, vertical and inverted positions.
- Economical.
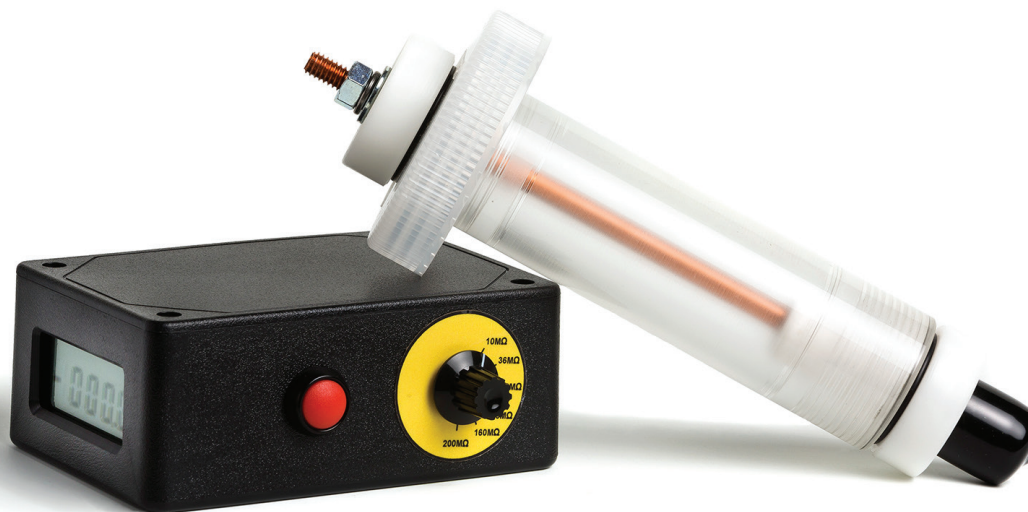- Conforms to ASTM C-876, BS1881:201, UNI9535, and other international standards.

Cor-Map® System

NDT
JAMES INSTRUMENTS
Non Destructive Test Equipment

Test Well. Build Well.

Applications

Locate corroding steel reinforcement

Particularly useful for:

- Bridge Decks
- Parking Garages
- Concrete Piers & Docks
- Substructure
- Tunnel Lining
- Foundations

Specifications

System Weight w/ Wire Reel	22lbs (10kg)
Voltmeter Input Impedance	Selectable 10MΩ, 36 MΩ, 80 MΩ, 100MΩ, 160MΩ, 200MΩ
Voltmeter Battery	9 Volt
Length Wire on Cable Reel	250 ft (75 m)
Wetting Agent Capacity	25 ml
Electrode Extension Length	18 inches (410mm)
C-CM-4300	Cable reel with 250 ft. (80 meters) cable
C-CM-4000	Complete system

Sales Numbers

C-CM-4000 Cor-Map®System

Strength   Locators   Ultrasonics   Corrosion   Moisture