

Corrosion

GECOR 8

World's most advanced system for analyzing corrosion of concrete steel reinforcement bars

Gecor 8 represents the latest technology in steel reinforcing bar corrosion rate determination. It combines state of the art embedded microprocessor systems and computerized flash technology with the world's leading research in reinforcing bar corrosion rate analysis.

The Gecor 8 features:

1. a method for rapidly mapping a structure's corrosion rate;
2. an advanced modulation confinement technique for precise corrosion rate analysis;
3. a new corrosion rate analysis technique for use in very wet or submerged structures.
4. new methodology for measurement of cathodic protection efficiency; and more...

The rapid mapping technique of the Gecor 8 allows the engineer to quickly classify areas of a structure while the unit's built-in programming can graphically analyze this data and produce contour maps of suspected areas. And, our advanced modulation confinement technique accurately measures the true polarization resistance of the steel reinforcing bar.

Combined with the latest advances in interface systems and database storage technology, the Gecor 8 is an easy to use, reliable, automatic and intelligent corrosion rate analysis system. A system that can save an engineer time, money and effort in evaluating structures for subsequent rehabilitation.

GECOR 6

Measures the rate of corrosion and other parameters of rebars

The Gecor 6 utilizes the polarization resistance technique to establish the corrosion rate. This is a quantitative measure of the amount of steel oxidizing at the time of measurement. Up to 100 readings can be stored in memory for later uploading to a Personal Computer. Relative humidity, temperature, half-cell potentials and concrete resistivity also can be measured. Weighing only nine pounds, the system is easy to use, portable and menu driven.

GECOR 8 SPECIFICATIONS

- C-CS-8300:** Complete System
C-CS-8000C: Basic System
- battery charger
 - corrosion rate meter
 - 30 meters cable
 - sensor A Cu/CuSO4
 - sensor B Cu/CuSO4
 - verification box
- C-CS-8000A:** Basic System
- battery charger
 - corrosion rate meter
 - 30 meters cable
 - sensor A Ag/AgCl
 - sensor B Ag/AgCl
 - verification box
- C-CS-8100C:** Submersion Upgrade
- sensor C Cu/CuSO4
 - corrosion rate meter
- C-CS-8100A:** Submersion Upgrade
- sensor C Ag/AgCl
 - corrosion rate meter
- C-CS-8200:** Cathodic protection Upgrade
C-CS-8232: Database Software

GECOR 6 SPECIFICATIONS

- C-CS-5000:** Complete System
Battery: 4D (4 hours operation)
Memory: Up to 100 Corrosion Rate Readings
- Sensor A:** Corrosion Rate
Corrosion Potential
Concrete Resistance
Date, Time, Location Of Reading
- Sensor B:** Concrete Resistivity
Relative Humidity
Temperature (°C)

