H-2873

CANIN Corrosion Analysis— H-2873

The CANIN Corrosion Analysis Instrument utilizes the half-cell test method and measures the corrosion potential of reinforcing bars. It discovers corrosion activity before rust becomes visible. This early detection can be key in preventing an unanticipated structural failure.

The instrument is ideally suited for assessment of large areas of 43,000 sq. ft. (4,000 m^2) or a several fold, depending on the individually selectable grid size. 120,000 values can be stored by the intelligent memory. Up to 240 measurement values are displayed at a time in easy to read grayscale, and a menu technique facilitates simple operation using just nine keys. A movable cursor indicates where measurement is taking place. Unit provides immediate presentation of test area readings and data can be transferred to a printer or to a PC. Includes display unit, rod electrode with spare parts, electrode cable, cable coil, data transfer cable, Interface converter with cable, copper sulfate, carrying strap, carrying case and Instruction manual. ASTM C876; BS 1881 Part 201.

H-2873.1

1-Wheel Electrode Set (all directions)— H-2873.1

Specifications

Range:	±999 mV	Data Output:	RS-232C interface
Resolution:	1 mV	Temp. Range:	-0° to +60°C
Impedance:	10 M	Battery Oper.:	60 hours with six AA (LR 6) batteries (1.5V)
Memory:	Nonvolatile, for up to 120,000 measurements stored in up to 72 object files	Dimensions:	12.8" x 11.6" x 4.15" (325 x 295 x 105 mm)
Display:	128 x 128 pixel graphic LCD	Weight:	Shpg. 11 lbs. (5 kg)

H-2973.HC1
with H-2973

Half Cell Kits for use with H-2973 Covermeter (see page 112)

Copper Sulfate Half Cell Kit— H-2973.HC1
Silver Chloride Half Cell Kit— H-2973.HC2

You now can measure potential corrosion of rebar and steel structures in concrete with a half cell kit and the H-2973 Rebar Locator/Covermeter. Available as an add-on, the half cell kits are available in either a copper electrode in a copper sulfate solution or a silver electrode in a silver chloride solution. Both half cells are sealed units, no need to mix chemicals on site. Each is supplied with a 80ft./25m cable and comes with a 5-year guarantee. Used with the H-2973 Rebar Locator/ Covermeter, you can store up to 10 linear batches of 1,000 half cell or cover readings.

H-2973.HC2

H-2872

CorMap Rebar Corrosion Mapping System— H-2872

The CorMap is a simple and economical instrument for use in identifying areas of probable rebar corrosion. The system consists of the voltmeter, two electrode extensions, reference electrode with copper sulfate reservoir, copper sulfate, wetting agent reservoir, dispensing sponge, 250 ft. (80m) cable reel, and a heavy-duty carrying case.

In operation, the high impedance voltmeter is connected between the reinforcing steel and the reference electrode on the concrete surface where a measurement can be made for the half-cell potential. This measurement is then used to determine the probability of corrosion activity. By testing at a fixed distance apart, a grid of half-cell potentials can be developed and areas delineated.
Meets ASTM C876; BS 1881 Part 201.

Copper Sulfate, 8.5 oz (400ml) container— H-2872.1