

GENERAL

The Caproco Portable Electrical Resistance (ER) Analyzer / Data Logger is designed to measure the corrosion rate when connected to an ER probe. It can be used manually to provide an instant measurement of the corrosion rate, or can act as a data logger, storing information until it is uploaded directly to a personal computer, without the need for an interface unit. This hand-held instrument is compatible with most commercially-available ER probes.

The Caproco ER Analyzer utilizes modern digital electronic techniques to provide greater sensitivity, reliability, accuracy and ease of operation than that afforded by conventional bridge type circuitry. The unit incorporates self check facilities for batteries and measurement integrity, which may be monitored as required. Direct readout is given on a digital LCD.

The ER Analyzer / Data Logger offers field functionality, such as:

- automatic date and time recording per reading (based on internal clock)
- optional display of corrosion rate in mils per year (mpy)
- recording capability at pre-programmed time intervals
- memory capacity up to 1,000 readings
- detection and notification of new probe or damaged probe or cable.
- rechargeable Ni-Cad Battery Pack to avoid memory loss

Probe data can be downloaded to a personal computer in comma delimited ASCII file format, which can then be analyzed using Windows-based software provided with the instrument. Results provided by the ER Software can be exported to common spreadsheet programs, such as Excel® or Lotus 123®, for further analysis.

SPECIFICATIONS

The ER Analyzer / Data Logger is CSA Approved and is Intrinsically Safe (*Class I, Div. 1, Groups A, B, C, D, Temperature Code T4A.*) The kit comes complete with Test Probe, Probe Extension Adapter, Viewing Software, Battery Charger, Charging and Downloading Cables, Instruction Manual and a Rugged Lightweight Carrying Case. An optional lockable weatherproof enclosure is also available.

In addition to portable monitoring equipment, Caproco offers a full range of on-line continuous monitoring transmitters. We also offer a selection of remote monitoring equipment, including solar powered units for signal transmission.



ER ANALYZER / DATA LOGGER KIT P/N 53250

SPECIFICATIONS

DISPLAY	2 Line, 16 Character LCD
ACCURACY	±0.01 mpy
TEMPERATURE	-22°F to +158°F -30°C to +70°C
POWER SUPPLY	Rechargeable Ni-Cad Internal Battery
DIMENSIONS	6" x 3" x 1.5" (overall) (15cm x 8cm x 4cm)
WEIGHT	1.0 lbs (0.45 kg)

AVAILABLE OPTIONS

Item	Part Number
Charging Cable with 110 VAC Power Supply	53279
220 VAC Power Supply	53278
Automobile Lighter Adaptor Cable	53213
Lockable Weatherproof Enclosure (Optional)	
Steel (NEMA 12)	53260
Steel (NEMA 4)	53262
Stainless Steel (NEMA 4)	53264
Fiberglass (NEMA 4X)	53261