

### GENERAL

The Caproco Portable Linear Polarization Resistance (LPR) Analyzer / Data Logger is designed to measure the rate of corrosion when connected to an LPR 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 LPR probes.

The Caproco LPR Analyzer utilizes modern digital electronic techniques to provide greater sensitivity, reliability and accuracy. 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 LPR Analyzer / Data Logger offers field functionality, such as:

- automatic date and time recording per reading (based on internal clock)
- display of corrosion rate in mils per year (mpy), and calculation of pitting index
- recording capability at pre-programmed time intervals
- memory capacity up to 30,000 data points and/or 250 tag numbers
- rechargeable Ni-Cad Battery Pack to avoid memory loss

The Caproco LPR Analyzer works best in conductive solutions, and has been designed to accommodate probes with 2 and 3 electrodes.

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

### SPECIFICATIONS

The LPR 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, Battery Charger, Charging and Downloading Cable, 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.



## LPR ANALYZER / DATA LOGGER KIT P/N 53350

### 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