

# ANALOG ELECTRONIC POTENTIAL METER

The "Model IA" voltmeter (Analog Potential Meter) is designed for ease of use by meter readers and corrosion technicians alike. The voltmeter comes with an integrated RE-5 reference electrode attached for "metallic structure-to-soil" potential difference readings. The kit also includes a test lead for electrical connection to a metallic structure. The voltmeter offers a 0 - 2 VDC range with a 10 M $\Omega$  input impedance, and the analog display presents a color divided scale for convenient indication as to whether or not a carbon-steel structure is receiving a suitable level of cathodic protection with respect to the accepted 0.85 V (850 mV) threshold value.

## Specifications

- RE-5 reference electrode included
- 8' black test lead with 46-C clip included
- An optionally available electrode extension can be used to eliminate having to bend over to place the reference electrode in contact with soil (Item #16203)
- 2½" taut-band rugged instrument
- Weatherproofed neoprene gasket
- 10 M $\Omega$  input resistance
- Solid-state impedance amplifier
- 9 V transistor battery, low drain - long shelf life, push switch to check battery condition, battery easily replaced and readily available
- Push switch to read potentials, current drain only while taking readings
- Scale marked 0 VDC to 2 VDC, Red to 0.85 VDC, Green to 2 VDC
- Filter eliminates errors caused by AC, Up to 50 V, 50/60 Hz
- Operating temperature: 0 °F to 150 °F
- Molded PVC housing
- Plastic carrying case with resilient padding
- Modular construction
- Weight: about 3 lbs.
- Size: 2 ½" deep x 10" long



**Model IA**  
Item #4107

