

## **M.C. Miller Model IA Potential Meter**

### **The Complete Testing Unit**

Structure-to-earth potentials are commonly performed using a reference electrode and a voltmeter. To simplify this corrosion monitoring test, the M.C. Miller Company combined these two instruments to create the IA Potential Meter. The meter is composed of a copper/copper sulfate reference cell, which is attached directly to a voltmeter. The voltmeter displays readings in an analog format, and can measure from 0 to 2 volts. Accurate readings are assured even at low potential levels, due to a 10-megohm input resistance. The meter is also equipped with a solid state impedance amplifier and an electrical filter, which eliminates errors caused by AC currents.

The IA Potential Meter is built for rugged field use. It is packaged in a plastic carrying case, and is provided with two test leads. The voltmeter itself is housed in molded PVC, which is both impact and water resistant. To permit optional testing configurations, the reference cell is removable, and an extension pose is available. Power for the IA meter is provided by a 9-volt transistor battery. An indicator switch on the meter alerts the user to low battery levels.



### **Typical Applications**

M.C. Miller's IA potential meter is designed to take electrical potential measurements on buried metallic structures. Because it greatly simplifies this corrosion monitoring procedure, the meter is ideal for both non-technical personnel and experienced engineers and technicians. The meter may be operated in temperatures ranging from 0° to 150° Fahrenheit, but should not be used in soils with high chloride ion concentrations.



#### **Corrpro Companies Europe Limited**

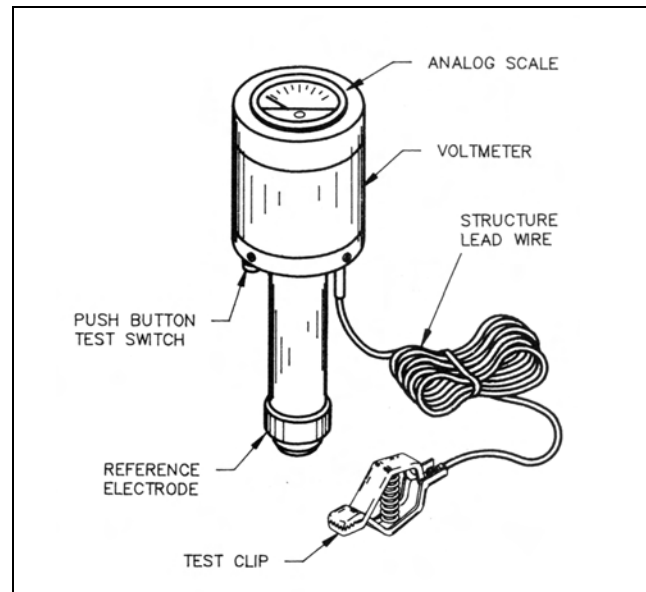
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# M.C. Miller Model IA Potential Meter

## Ordering Procedure

Corrpro is an authorized distributor for M.C. Miller products, and readily stocks the IA Potential Meter. To order this meter for your particular application, indicate that you need the M.C. Miller Model IA Potential Meter, and specify the quantity desired. The meter may also be purchased with an electrode extension pole. An example is included to help illustrate this ordering procedure.

Ordering Procedure Example	
ITEM	EXAMPLE
Quantity	1
Product	M.C. Miller IA Potential Meter



## Product Specifications

NOMINAL DIMENSIONS in. (cm)		WT. lbs. (kg)	TESTING RANGE VOLTS	INPUT RESISTANCE W	OPERATING TEMP. RANGE °F (°C)	POWER SOURCE
Æ	L					
2.5 (6.35)	10 (25.4)	3 (1.36)	0-2.0	10M	0 to 150 (-17.86 to +65.6)	9-Volt Transistor Battery



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