

# IONX PORTABLES



## PACKAGE CONTENTS

- IonX Portable Electrode (either RE-5 or RE-5C style)
- Electrode calibration certificate
- “Derivation of Electrode Potential Value” document
- Instructions & Maintenance sheet
- 2 oz. squeeze bottle of Electrode Solution for “top-ups”
- Low maintenance “LM” variants available



# IONX PORTABLES

## FEATURES & BENEFITS

- No copper sulfate solution leakage (“Green” Electrodes)
- Half-cell cannot be contaminated
- No need to handle, store or dispose of hazardous copper sulfate crystals or copper sulfate anti-freeze solutions
- Electrodes arrive “ready-to-use” – no need to prepare chemicals, etc. in the field
- All IonX Portable Electrodes are calibrated at the factory and are shipped with a certificate of calibration.
- Electrode potentials are in the range  $316\text{mV} \pm 10\text{mV}$  at  $25^{\circ}\text{C}$  versus Standard Hydrogen Electrode (SHE)
- Electrodes can be stored at temperatures down to  $-20^{\circ}\text{C}$
- Electrodes have the same fittings as conventional M. C. Miller portable electrodes (for connection to standard canes and electrode extensions). The robust ceramic plugs are customized for IonX electrodes
- IonX Low Maintenance variants use a Gel-based solution that is more stable and lasts longer than liquid based solutions

## CERTIFICATION

IonX Portable Electrodes are in a “ready-to-use” state upon completion of the manufacturing process and their electrode potentials are measured at the factory, prior to shipping. A certificate of calibration is issued for each electrode which, in addition to indicating the electrode potential as measured at the factory, presents the certification date and the expiration date, which is 12 months beyond the date of certification. IonX Portable Electrodes can be returned annually to the factory for recalibration.

