

MoO₂ Reference Electrode

The Molybdenum Dioxide (MoO₂) Reference Electrode is a fully solid-state, long-life embedded reference electrode utilizing molybdenum/molybdenum oxide as the electrode material combined with a polymeric solid electrolyte.

It is specifically designed to provide a long-term, stable potential reference in complex electrochemical environments. It is particularly suitable for corrosion monitoring and cathodic protection systems in reinforced concrete structures, as well as for applications such as stray current mitigation in metro systems.



■ KEY FEATURES

- 1.High Stability & Interference Resistance
- 2.Solid-State & Maintenance-Free
- 3.Strong Environmental Compatibility
- 4.Easy Installation

■ PRODUCT SPECIFICATIONS

Enclosure Material:Porous ceramic housing
Enclosure Dimensions:Φ54 mm × 170 mm length
Compressive Strength:≥10 MPa
Core:Molybdenum Dioxide Rod
Potential Stability:≤ ±20mV
Application:Concrete structures
Life:≥10years

■ APPLICATIONS

- 1.Corrosion monitoring of reinforced concrete structures
- 2.Subway stray current protection
- 3.Cathodic protection potential control and detection