



PROTAN Ecu 760



COPPER/COPPER SULFATE REFERENCE ELECTRODE

DESCRIPTION

These electrodes have been designed for measurement in cathodic protection systems of buried metal structures like tanks or pipelines.

The electrode consists of a PVC tube that includes a pure copper piece in a special saturated copper sulfate solution.

A nickel-plated terminal in contact with this piece allows a millivoltmeter connection.

In contact with soil of a special ceramic piece with the adequate porosity for this application is placed.

These and other constructive characteristics allows to ensure a long useful life and high accuracy measurements during that period of time.

In order to ensure a long useful life it is recommended that the input impedance measurement circuit be greater than 50 mega-ohms.

Although these cells show acceptable behavior in dry soil, soil humidification is convenient where they are used.

On the other hand, it is convenient not to exceed an operating temperature of 50°C and not to use these cells in soils with high chlorine concentrations.

Protan S.A.
Wilde 630 Bis - (S2007JFT) Rosario Santa Fe Argentina
Telefax: 54 - 341-4513036 & 4517128
protan@protansa.com
www.protansa.com