Potentiometric sensor for copper (II) detection

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Ref. 110CUION

These disposable Screen-Printed Electrodes are based on a copper (II) ionophore for the selective detection of this ion. Sensors were designed to measure Cu^{2+} by open circuit potentiometry (OCP) in a range of concentration 10^{-4} to 0,1 M (from 6.4 to 6355 ppm).

These copper (II) sensors are recommended for working with microvolumes and are ideal for decentralized and 'in situ' assays.

Ceramic substrate: L34 x W10 x H0.5 mm

Electric contacts: Silver

The electrochemical cell consists of:

Working electrode: Carbon/Copper (II) ionophore (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver

These potentiometric sensors for copper (II) detection are commercialised in 50 units pack. They should be stored at room temperature, protected from light in a dry place.

Metrohm
DropSens