

# Potentiometric sensor for calcium detection

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## Ref. 110CAION

These disposable Screen-Printed Electrodes are based on a calcium ionophore for the selective detection of this ion. Sensors were designed to measure  $\text{Ca}^{2+}$  by open circuit potentiometry (OCP) in a range of concentration  $10^{-4}$  to 0.1 M (from 4 to 4008 ppm).

These calcium ion 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/Calcium ionophore (4 mm diameter)

Auxiliary electrode: Carbon

Reference electrode: Silver

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

[www.metrohm-dropsens.com](http://www.metrohm-dropsens.com)