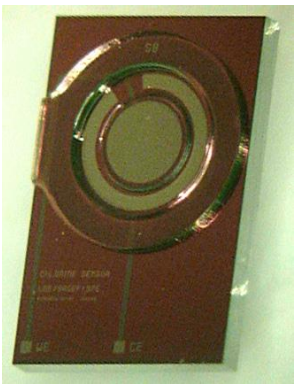
MICROSENS

Product Overview

MAES 2402

MICROSENS Chlorine (HOCl) Sensor

Sensor Description



- The integrated chlorine sensor is realized on silicon using microelectronic compatible processes.
- The working and counter electrodes thin platinum films and the silver/silver chloride reference-electrode are deposited on an electrically insulating silicon nitride layer.
- The MAES 2402 exhibits a signal response, which is linear over a wide HOCl-concentration range. Its sensitivity is independent on convection properties of the analyte solution such as flow rate.

Packaging and Dimensions

- Chip size: 4 mm x 6 mm
- Module dimension: 50 mm x 5 mm x 2 mm

Key Features and Applications

Applications

- Water quality control
- Drinking water security
- Swimming pool water quality
- Industrial process control

Key Features

- PolyHEMA membrane on working electrode (WE) to limit diffusion for an improved signal-to-noise ratio
- Range: 0.01 mg/l - 5 mg/l
- Sensitivity S: 10 nA/(mg/l)
- Response time: < 30 sec
- Temperature range: 0 – 80°C
- Life time: > 6 month (continuous use)

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