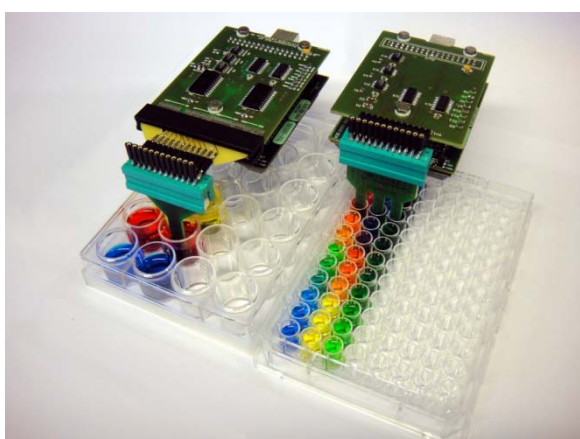




NEW MULTI-ELECTRODE pH- AND CONDUCTIVITY METER

Sopartec, the technology transfer company of the Université catholique de Louvain (UCL), presents a new apparatus for measuring solution pH and conductivity.



Technology Keywords

- Portable electrochemistry station
- Polymeric solid-state electrodes
- pH-meter
- Conductivity meter

Technology Market :

Electrochemical sensor for combinatorial experimentation

Sensors based on the electrochemical activity of an electro-conductive solid polymer transducer are getting increased attention in the scientific community owing to their numerous advantages. Nevertheless, these systems prevent reliable measurements at the micro- and nano-scales.

The UCL invention

Researchers from the *Institute of Condensed Matter and Nanosciences* have developed a new

portable electrochemical station, based on an innovative technology for intelligent potentiostat control still under patenting. This device allows many different types of electrochemical manipulations among which the simultaneous pH and conductivity measurements to up to 64 electrodes. Their solid-state technology and price allows to virtually adapt these electrodes to any kind of experimental setup, up to nano-scales. The active system combined to multiplexing opens up new perspectives in combinatorial experimentation.

Features :

- Intelligent potentiostat control
- Reliable and repeatable measurements

Applications :

- Portable electrochemistry station
- Multi-electrode pH sensor
- Combinatorial experiments
- Sensor for biological molecules

Technology Status

This work is the subject of a patent application : PCT/EP2010/057753 patent application filed on 02/06/2010.

(internal file reference number : SOP-226)

Sopartec would like to talk to companies interested in developing and commercializing this opportunity.

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