

CONDUCTOMETRIC SENSOR Cell

Type: CC4

Description

The sensor is formed on a corundum ceramic base. The structure consists of two platinum working electrodes (Pt WE) and an integrated Thermistor on the opposite side covered by a dielectric layer. This sensor is then integrated with a specialised cell to create the CC4.



Physical parameters

Dimensions:

Weight: 25.1 gms
 Length: 26.3 mm
 Thickness of sensor: 0.63 mm

Electrode Materials are defined by:

CC - Conductometric sensor on corundum ceramic base

CC4 - Sensor group reference number

W - Working electrode from Platinum

Connector types for CC4 sensors range

	KA4
CC4	✓

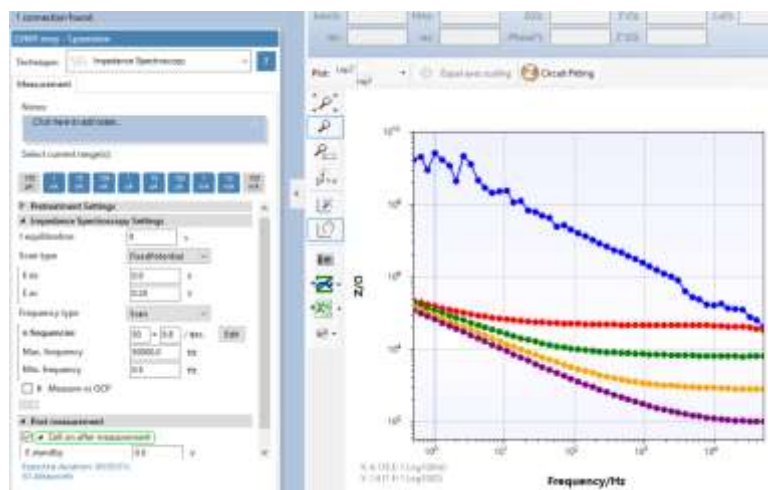
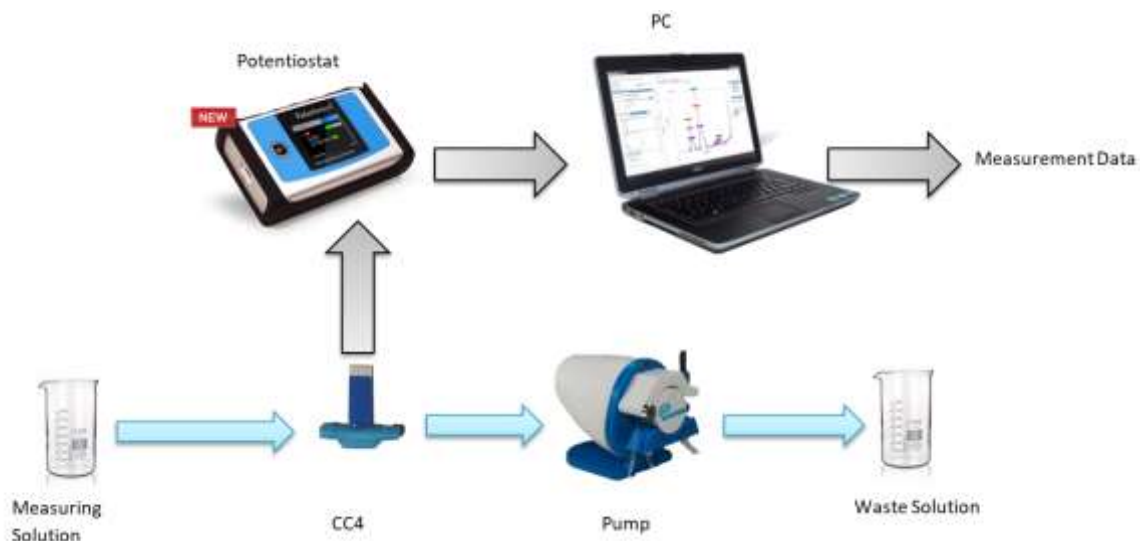
Sensor Usage

This specific range of CC4 sensors enables the measurement of:

- Quality control of distillation
- Control of water quality in labs (distilled water must have low conductivity)
- Control of dialysing solution during dialysis in Kidney Failure Treatment
- Checking of waste waters from treatment plants, i.e. checking of Salt Content
- Checking of water from old mines
- Checking of water conductivity in Hydroelectric Dams; if the conductivity will be high, there is a risk of damage to the Dams; if the conductivity will be high, there is a risk of damage to the Dams mechanical parts and the structure.

Datasheet: [CC4](#)

Example CC4 Measurement Setup



References

- RIEGER, Philip H. Electrochemistry. Englewood Cliffs, New Jersey 07632: Prentice-Hall, 1987. ISBN 0-13-248907-4
- Bard, Allen J. "Electrochemical methods: fundamentals and applications / Allen J. Bard, Larry R. Faulkner." (1980).

Ordering Information

- The order is specified by whole sensor description formula
- Minimum order quantity - 10 sensors
- All order quantities are to be in multiples of 10 e.g. 20, 40, 50, etc.
- Delivery time for standard CC4 sensors is 4 weeks from receipt of order
- Delivery time for non-standard CC4 sensors depends on final technical specification of order

Example of Order 100 pieces - CC4

[Datasheet: CC4](#)