

USER INSTRUCTION FARADAY CAGE

The Antec faraday cage (pn 250.4000) is a flow cell enclosure which effectively blocks external electro-magnetic disturbances allowing sensitive (U)HPLC-ECD analysis. It enables the use of the Antec SenCell™ and the VT-03 electrochemical flow cells in combination with third-party Electrochemical detectors such as the Coulochem II or Coulochem III (ESA/Dionex/Thermo).

Specific cell cables are available to connect the Antec electrochemical flow cells:

- pn 250.0133 Cell cable Coulochem II
- pn 250.0138 Cell cable Coulochem III



Figure 1. Faraday cage.

Please take the following precautions to assure optimal performance of the product:

- For a proper ground connection of the faraday cage assure that the crocodile clamp on the yellow lead of the Cell cable is connected/clamped to the grounding tab in the bottom-right corner of the Faraday cage (figure 2, encircled in red).
- For proper grounding of the cover the faraday cage assure that the four mounting screws with the black grip are securely hand-tightened to assure a good electrical connection (figure 1).

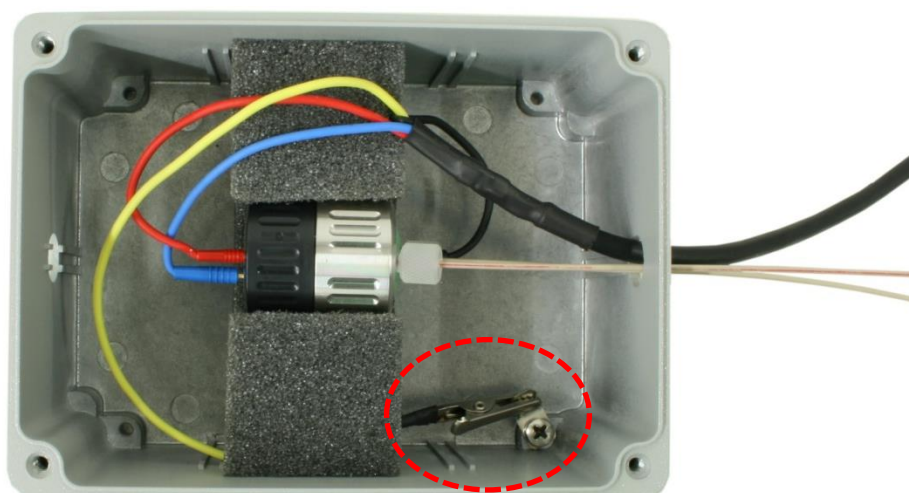


Figure 2 (left side) Open faraday cage with installed SenCell ready for use.



The faraday cage must have a proper ground connection (see precautions above). If not correctly grounded it may lead to an increase in baseline noise/spikes and a loss in detection sensitivity!