

## GROUNDING KIT FOR ECD (PN 250.0035C)

In the case electromagnetic interferences are present in the vicinity of the electrochemical detector, they may be transmitted into the flow cell via the mobile phase in the connected tubing. This may lead to an increase in noise or random oscillations in the detector baseline which in turn will result in a loss of performance. The grounding kit pn 250.0035C is a tool which may help to eliminate/suppress the problem of electromagnetic interferences in electrochemical detection. The kit consists of two grounding leads:

250.0035A Outlet tubing grounding lead for ECD

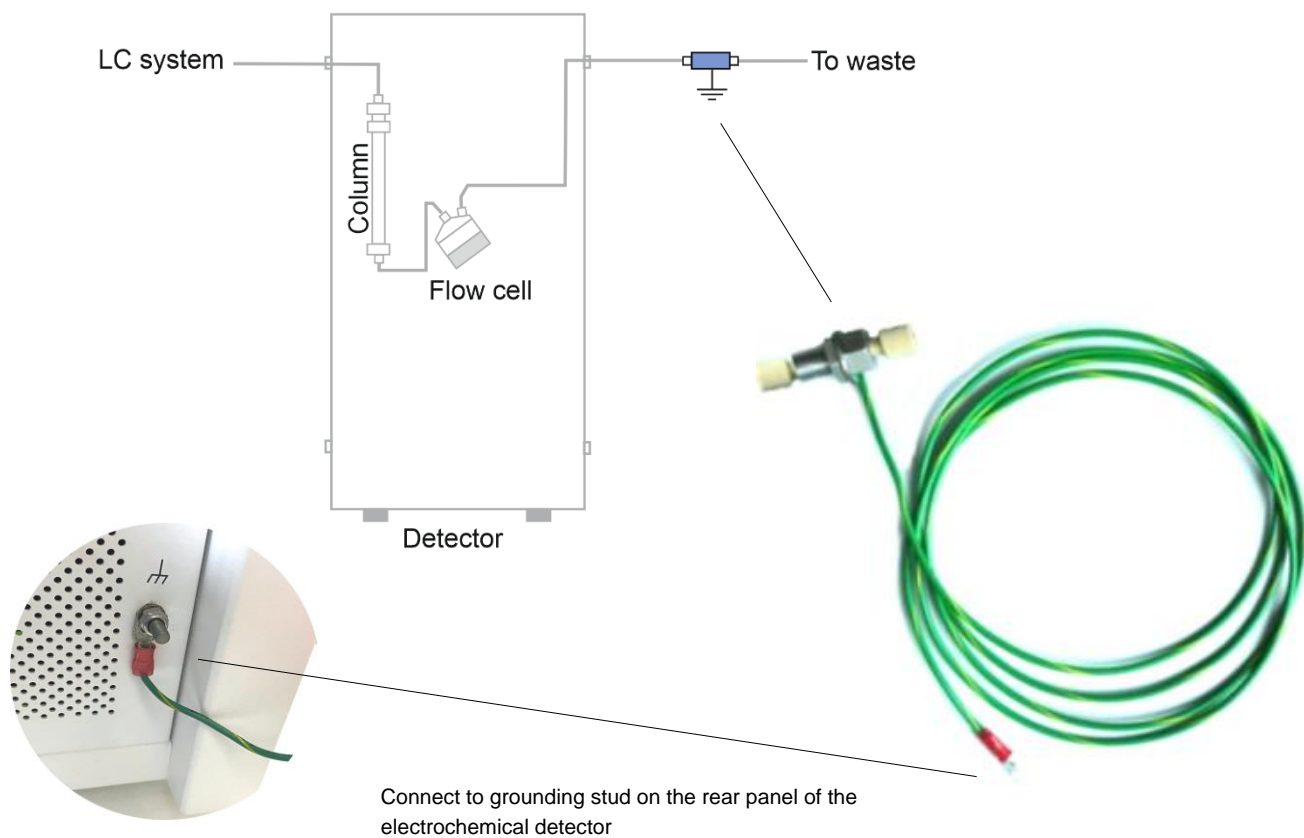
250.0035B Column grounding lead for ECD

### 250.0035A Outlet tubing grounding lead for ECD

This part consist of an metal union with two 10-32 fingertights connectors. The union has an electrical ground wire which can be connected to the grounding stud on the rear panel of a DECADE II / SDC and DECADE Elite / Lite. The grounding stud is connected to instrument ground and in such a manner the mobile phase passing through the union is grounded.

How to connect the grounding lead (DECADE II/SDC and DECADE Elite/Lite) in the LC flow path:

Cut the waste line (outlet tubing from the cell going to the waste bottle) with a PEEK tubing cutter and fix the union in between as depicted below.



### 250.0035B Column grounding lead for ECD

This part consist of an grounding lead with an alligator clip on one side and a faston connector on the other end. This grounding lead is used inside the detector oven compartment. The alligator clip can be clipped onto a column with a metal housing (stainless steel) or a metal T-splitter. See pictures below. T- splitters are used in HPLC-ECD applications based on post-column addition of sodium hydroxide (the splitter is than a part of the post-column mixing assembly). The faston connector can be connected to the grounding point in the oven compartment (faston tab) located at the top side (centered) of the oven compartment.

