

# Fluorescence spectroscopy experiments coupled to spectroelectrochemistry now with Screen-Printed Electrodes: real time & in situ

Metrohm DropSens releases the required accessories for performing spectroscopy experiments coupled to spectroelectrochemistry for the first time with Screen-Printed Electrodes (SPEs). This novel combination of fluorescent measurements and electrochemical analysis with SPEs opens new possibilities in operando assays.

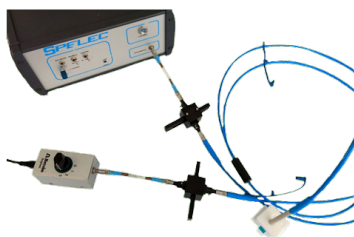
## Excitation light

For performing these experiments, there is now available a LED light of different wavelengths depending on the range of interest: 280 nm (Ref. **LEDUV280**), 395 nm (Ref. **LEDVIS395**) or Red, Green, Blue [635, 515 and 465 nm] (Ref. **LEDRGB**). LED light modules LEDUV280 and LEDVIS395 include a four-way switch to adjust the intensity of the light source. In the case of the LEDRGB the four-way switch allows you to switch from Off, Red, Green or Blue LEDs.



## Fluorescence Kit

Aside of the LED that will define the range emission of the light, the rest of the components needed are included in the fluorescence kit for Screen-Printed Electrodes (Ref. **FLKITSPE**). This kit is composed by 2 x short optical fibers (600  $\mu\text{m}$ ) ended in SMA 905 connections, 2 x optical filters one of 230-500 and other for 300-750 nm wavelength, 2 x holders for the filters, a reflection probe and a reflection cell for SPEs.



Picture: *Complete set up for fluorescence spectroscopy experiments coupled to spectroelectrochemistry with SPEs (Refs. LEDUV280, FLKITSPE and SPELEC).*

For those researchers already performing reflection experiments with SPEs with the reflection cell and the reflection probe or for other type of set ups, a kit only containing the short fiber connections, the optical filters and the holders is also available (ref. **FLKIT**)

A wide variety of other wavelength LEDs, filters, and different set up combinations also for conventional electrodes with the cuvette holder (Ref. **CUV**) are available, please contact us to check other options.

## Complete your experimental set up

**SPELEC VIS-UV** is the perfect solution for completing your setup. Synchronized electrochemical and optical measurements are obtained thanks to the powerful and dedicated software DropView SPELEC. Data analysis and treatment is straightforwardly performed for a simple interpretation of results.

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