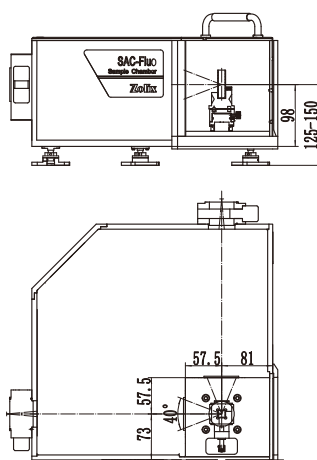


# Chamber

- SAC-Fluo fluorescence sample chamber
- SAC-PL compact PL sample chamber
- SAC-RF transmission and reflection sample chamber
- SAC-FT transmission and absorption sample chamber

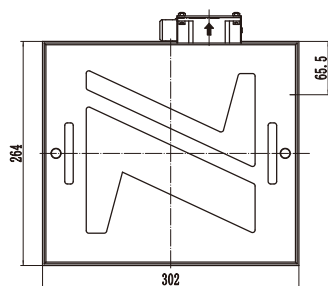
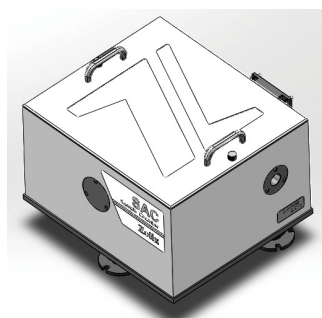
## SAC-Fluo fluorescence sample chamber



### Features

- Big space design, easy to operate;
- F/1 optical design, the best signal collection efficiency;
- The chamber can be used for fluorescence measurement directly with Omni- $\lambda$  series spectrometer;
- The chamber features an external laser excitation path;
- 25/25.4 mm filters can be installed;
- Standard configuration contains a cuvette, a SAC-SH15 cuvette sample holder, a SAC-SH11 film sample holder, a SAC-SH12A powder sample holder;
- The chamber can be upgraded with a cryostat (option);
- Only available for Omni- $\lambda$  series spectrometer with manual slit.

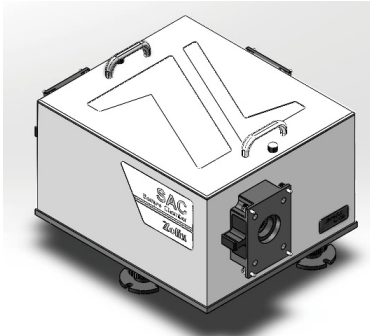
## SAC-PL compact PL sample chamber



### Features

- The chamber is dedicated to laser excitation fluorescence measurement, using reflective optical path to eliminate the effects of chromatic aberration;
- SAC-PL05 is configured with aluminum coated mirror, suitable for UV-VIS-NIR fluorescence measurement;
- SAC-PL06 is configured with gold coated mirror, suitable for infrared fluorescence measurement;
- The chambers use lens to focus the laser on the sample for improving signal noise ratio;
- The chambers are specially designed with two laser traps to reduce laser stray light;
- Optical path center height is 134-170mm adjustable;
- 25/25.4 mm filters can be installed in the collection path to protect fluorescence signal from laser;
- Standard configuration contains a cuvette, a SAC-SH15 cuvette sample holder, a SAC-SH11 film sample holder, a SAC-SH12A powder sample holder;
- Only available for Omni- $\lambda$  series spectrometer with manual slit.

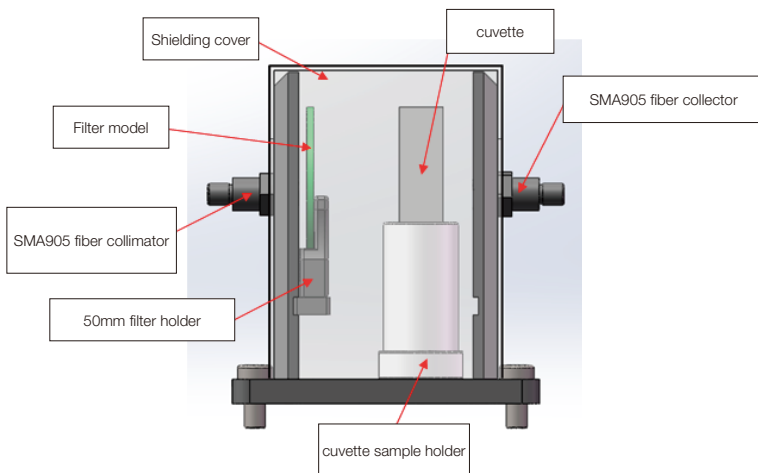
## SAC-RF transmission and reflection sample chamber



### Features

- The chamber is dedicated to transmission, reflection, and absorption spectra measurement, using reflective optical path to eliminate the effects of chromatic aberration;
- SAC-RF03 is configured with aluminum coated reflect mirror, its optical path is parallel, suited for UV-VIS-NIR wavelength spectrum measurement;
- SAC-RF04 is configured with gold coated reflect mirror, its optical path is parallel, suited for infrared wavelength spectrum measurement;
- SAC-RF05 is configured with silver coated reflect mirror, its optical path is parallel, suited for VIS-NIR wavelength spectrum measurement;
- Standard configuration contains a cuvette, a SAC-SH13 cuvette sample holder, a SAC-SH14 transmission sample holder;
- 25/25.4 mm filters can be installed in the collection path to avoid the noise interference;
- Only available for Omni-λ series spectrometer with manual slit.

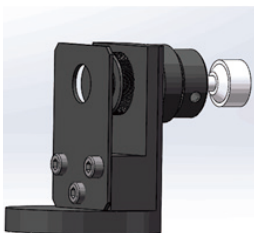
## SAC-FT transmission and absorption sample chamber



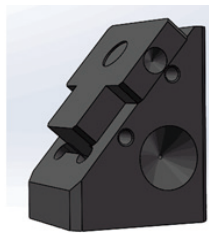
### Features

- The chamber is dedicated to transmission, and absorption spectra measurement, with fiber coupling method;
- The fiber interface is SMA905;
- The optical path is designed to be parallel, suited for UV-VIS-NIR wavelength measurement;
- The standard filter holder is compatible with 0.5" , 1" , and 2" square or circle filter, the maximum thickness can be 4 mm;
- Contain a cuvette for liquid measurement;
- The fiber need to be prepared according to the requirement, so the chamber don't contain fiber.

## Sample accessories



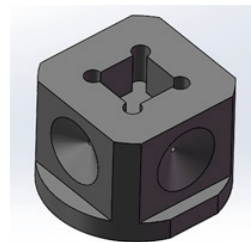
SAC-SH11  
Film sample holder



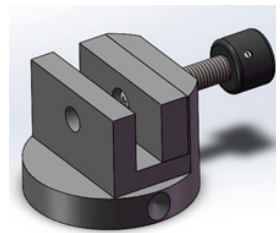
SAC-SH12A  
Powder sample holder



SAC-SH15  
Cuvette sample holder  
(fluorescence)



SAC-SH13  
Cuvette sample holder



SAC-SH14  
Transmission sample holder