



## Solid Sample Tray

Greater Versatility and User Functionality FL-QM-UNI-HLDR

ELEMENTAL ANALYSIS
FLUORESCENCE
GRATINGS & OEM SPECTROMETERS
OPTICAL COMPONENTS
FORENSICS
PARTICLE CHARACTERIZATION
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For the most demanding fluorescence studies on solid and powder samples

### Introducing a new solid sample holder with greater versatility and user functionality!

The new sample holder features an externally adjustable solid sample holder for Fluorolog-QM™, Nanolog®, FluoroMax® and Aqualog®. The tray comes with a universal base plate goniometer that allows for manual 360 degree rotation of the sample by a micrometer that is adjustable from the front of the sample tray plate. In this way, the user can rotate the sample position during a fluorescence measurement with the lid closed, thereby allowing for dynamic feedback and determination of the optimal angle for an experiment.

A complete rotation of the micrometer corresponds to 4 degrees of rotation of the base plate.

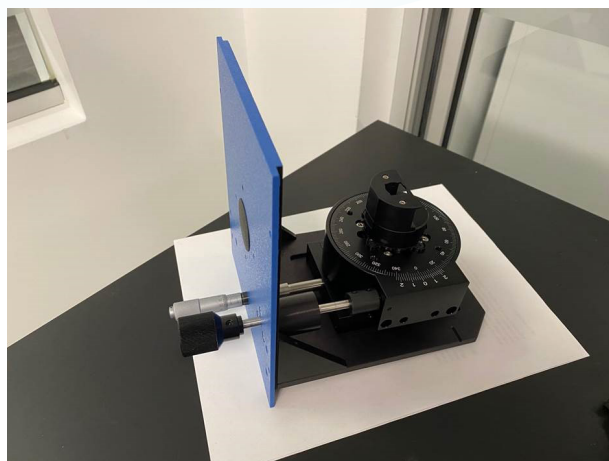


Figure 1: New solid sample holder provides external control of sample rotation and translation for enhanced experiment optimization. Shown here with optional front face cuvette holder (K-CUV-HLDR). The black knob adjusts rotation, and the grey micrometer adjusts translation.

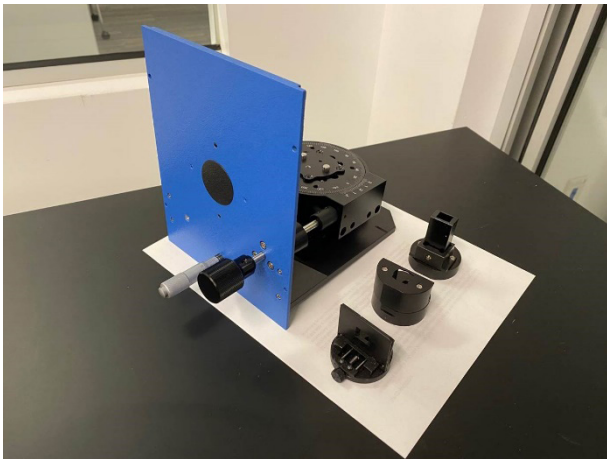
The base plate can also be translated towards or away from the illumination source by means of a translating stage that is also adjusted by a micrometer on the front of the sample tray. This allows the user to translate the sample position during a fluorescence measurement with the lid closed to optimize the position of the front of the sample forwards or backwards. This translating micrometer can adjust the sample by up to +/- 10 mm (20 mm total travel).

The new solid sample tray part number is FL-QM-UNI-HLDR.

There are three optional sample holders that fit onto the top of the universal baseplate that is part of the FL-QM UNI-HLDR sample tray, and they must be ordered separately.

1. K-SS-HLDR features two plates with a pressing spring for solids or flat surfaces.
2. K-PWDR-HLDR for powders which includes a six pack of coverslips required to hold powder in place (choose part number K-210 to order an additional six pack of coverslips).
3. K-CUV-HLDR for front angle measurements off of a 10 mm cuvette (not thermostated or stirred).

All three sample holders are quickly and easily interchanged.



This new sample holder offers the ultimate in flexibility and the opportunity to truly optimize experimental results empirically, for the most demanding fluorescence and phosphorescence samples.

Figure 2: FL-QM-UNI-HLDR shown with universal baseplate. Also shown are the three available sample holders to the right (K-SS-HLDR in the front, K-CUV-HLDR in the middle, and K-PWDR-HLDR in the back).

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**HORIBA**  
Scientific

[info.sci@horiba.com](mailto:info.sci@horiba.com)

**USA:** +1 732 494 8660  
**UK:** +44 (0)1604 542 500  
**China:** +86 (0)21 6289 6060  
**Taiwan:** +886 3 5600606

**France:** +33 (0)1 69 74 72 00  
**Italy:** +39 06 51 59 22 1  
**India:** +91 80 41273637  
**Brazil:** +55 (0)11 2923 5400

[www.horiba.com/scientific](http://www.horiba.com/scientific)

**Germany:** +49 (0) 6251 8475 0  
**Japan:** +81(75)313-8121  
**Singapore:** +65 (0)6 745 8300  
**Other:** +33 (0)1 69 74 72 00