



Quietly demanding more from ourselves and opening up more value for every client.

Here, we examine the designed-in modularity of OLIS CD and CLARiTY configurations.

While JASCO has long been the market leader and Applied Photophysics is a serious player in the traditional CD field, **OLIS remains your source for top performing CD spectrometers for normal & novel applications and for maximizing the applications supported by the one optical bench:**

OLIS DSM 1000 CD	Unique for millisecond spectral scanning
OLIS DSM 172 CD	Unique for configurability between CD and CPL
OLIS DSM 17 CD	Unique for available spectral range of 185-1700 nm
OLIS DSM 20 CD	Unique in having a tiny footprint
OLIS MultiScan 2626	Unique for simultaneous acquisition of CD spectra + full emission spectra with no additional time beyond the CD datum acquisition period

- All can be fitted with single, 4 position, or 6 position thermostatted cell holders
- All can support absorbance and CD stopped-flow, with fluorescence stopped-flow available as an add-on
- All can be used for MCD with the palm-sized DeSa 1.4 Tesla magnet or your cryogenic magnet



Do calibration-free, dual beam CD spectroscopy with any of the OLIS Digital Subtractive Method (hence DSM) CD instruments, and when those measurements are completed, exchange sample compartments and start doing post-reductionist work on proteins in suspension, living red blood cells, polymers, hydrogels, algae, and all light absorbing sample.

With a CLARiTY, sample preparation cannot be more convenient, sensitivity cannot be higher, and results cannot be more satisfying.

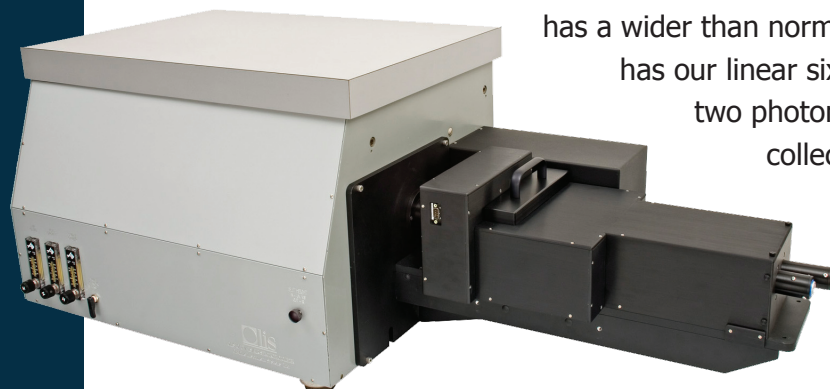
Dual purpose one high end optical bench as two research spectrophotometers!

YOU ALWAYS GET MORE WHEN YOU CHOOSE OLIS.



Using the OLIS spectrophotometers built around the classic Cary 14/17 UV/Vis/NIR as illustrative, here are three photographs to show you how ‘one’ spectrophotometer can actually be made into ‘two’ spectrophotometers.

OLIS DSM 17 CD



The **OLIS DSM 17 CD** is our original dual beam model. This unit has a wider than normal sample compartment area, because it has our linear six position cell holder. Notice that there are two photomultiplier tubes, reminding us that we are collecting two independent scans from the single sample or from two samples. In the first case, the two scans are averaged and returned to you as one; in the second case, two data sets from two samples are acquired.

OLIS DSM 172

The **OLIS DSM 172** has the Cary optics fitted with the Polarization Toolbox sample compartment and optionally a scanning emission monochromator and photon counter, as shown. The Polarization Toolbox is a sample compartment developed to support quick and perfect positioning of the polarizers and PEM before or after the sample. Before, the measurement beam is being polarized (for CD spectral acquisition) and after the sample, the emitted light is being analyzed (for CPL). A PMT at the Toolbox is acquiring CD or absorbance; the photon counter at the emission monochromator acquires fluorescence, polarization of fluorescence, FD CD, or CPL.



OLIS CLARiTY 17



The OLIS DSM 17 or 172 is now an **OLIS CLARiTY 17**, simply by replacing self-contained sample compartments and detectors with the new CLARiTY assembly.

The CLARiTY changes the paradigm of UV/Vis absorbance (and fluorescence) spectroscopy by creating an environment with complete immunity to scatter. Scatter does not matter, only sample absorbance does! Try that with any other manufacturer's CD!