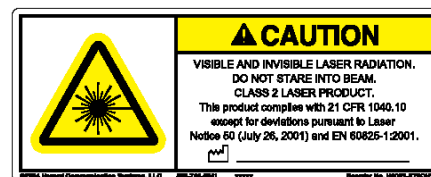


Technical Specifications

- NanoLED-17 295 nm LED-based nanosecond pulsed excitation source for excitation of protein residues tryptophan and tyrosine. A wide range of interchangeable laser-diode and LED-based excitation sources, from UV to near-IR, are available as options.
- Optional faster throughput with FC-OP-Pol2 automatic polarizers and FC-SC-05 4-cell sample turret
- Motorized excitation optics with large, 50 mm UV-grade fused-silica lenses, filter-holder for optional 50 mm square filters, and mount for optional polarizer, for easy optimization of excitation beam and high sensitivity
- Large sample compartment, compatible with cryostats
- Cuvette holder with facility for recirculating-liquid temperature control
- Optional 4-position cuvette-holder with integrated stirrers, temperature sensor, and facility for recirculating-liquid temperature regulation, instead of standard cuvette holder. Includes four magnetic stirring beads, power cable, and drive cable.
- Motorized emission optics with 50 mm UV-grade fused-silica lenses, filter-holder for optional 50 mm square filters, and mount for optional polarizer, to optimize emission signal easily
- Low time-dispersion emission monochromator with motorized wavelength drive, integral safety-shutter interlocked to lid of sample compartment to protect the detector, and convenient, manually adjustable synchronized slits to record the best signal
- TBX-04 picosecond photon-detection module: spectral response 185–650 nm; timing walk < 250 ps FWHM; dark-count rate < 80 cps; active area 9 mm diameter. Optional extended-red (to 850 nm) sensitivity.
- NanoLED pulsed-diode controller module (software controlled)
- DataStation Hub timing electronics: measures lifetimes from picoseconds to seconds (depending on excitation source)
- DataStation data-acquisition software
- DAS6 decay-analysis software: Foundation Pack (including 1 to 4 exponentials) + DAS6-8 Anisotropy
- IBM ThinkCenter PC with Windows XP Professional and 17" TFT monitor



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