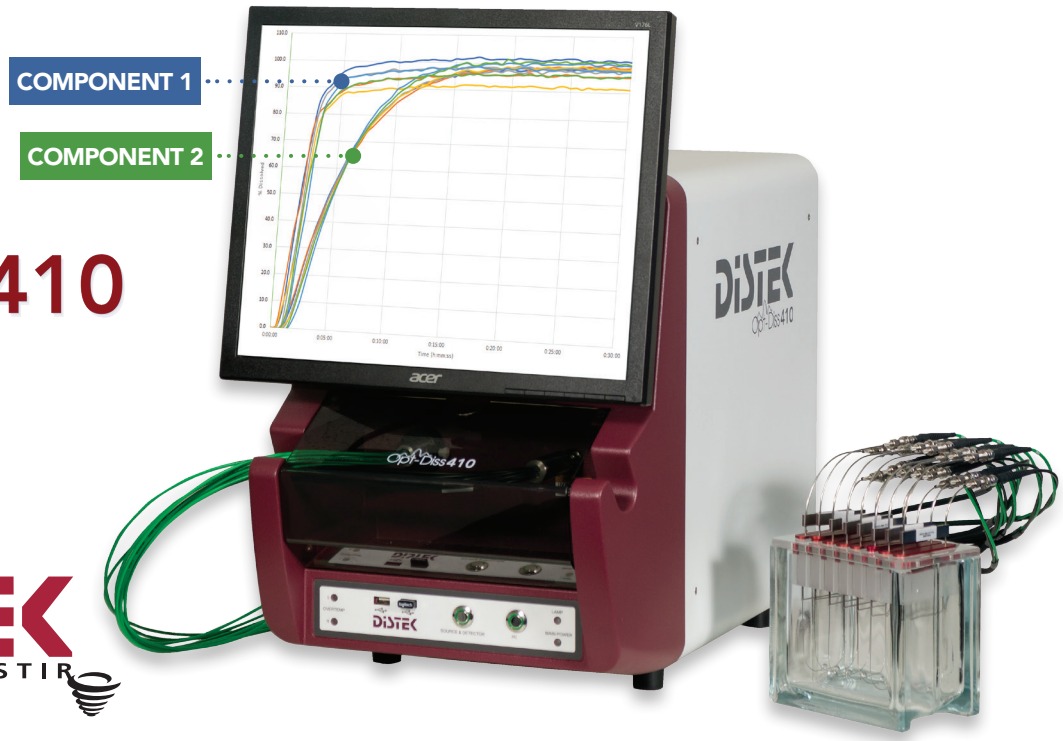
OPT-DISS 410

No more sampling! The Distek Opt-Diss 410 in-situ fiber optic UV system measures directly in the vessel, eliminating the need for conventional sampling, and with-it consumables like filters, tubing and syringes, saving time, labor, and money. Moving light rather than liquids also allows generating near real-time dissolution data and nearly limitless sample points as frequently as every five seconds.

- **SIMPLE & EFFICIENT DISSOLUTION TESTING**
  Truly automated data collection and analysis means start of test to a complete report only takes as long as the test itself, with no operator interaction required. And collecting data as fast as every 5 seconds is no more effort.
- **MULTICOMPONENT ANALYSIS**
  Measure two components in the same dissolution test without the need for LC, including products with two APIs or interaction with excipients, coatings, capsules, or any other source of deviation of the UV spectra.
- **RAPID AND ROUTINE DATA COLLECTION**
  With acquisition speeds as fast as 5 seconds for all vessels, collecting near real-time dissolution profiles is ideal for formulators to understand complicated release dynamics as it occurs.
- **IN-SITU UV MEASUREMENTS**
  Keeping the science in the vessel! The Opt-Diss 410 measures directly in the vessel, eliminating manual or automated sampling along with the associated consumables, labor and off-line analysis.
  - Choose from patented ARCH probes designed specifically for dissolution testing with negligible hydrodynamic effect
  - Or conventional dip probes with interchangeable pathlengths
- **SINGLE SOFTWARE PACKAGE**
  21 CFR Part 11 compliant, the Opt-Diss 410 is the only fully integrated UV fiber optic dissolution solution with a single software package controlling the entire system.
- **INDUSTRY APPROVED**
  Top pharmaceutical companies as well as the FDA and USP have adopted the Opt-Diss by Distek.



Opt-Diss 410

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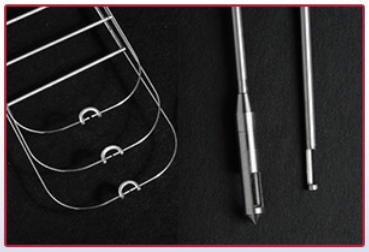
OPT-DISS 410

SPECIFICATIONS

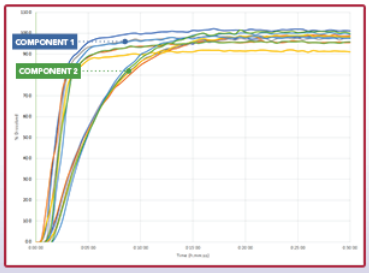
Light Source	Deuterium Lamp
Detector	Scientific Grade CCD Detector Optimized for UV
UV Range	200 - 405nm ±5nm
Wavelength Accuracy	±2nm or Better
Channel Capacity	Up to 12 Channels
Probes	ARCH Probes & Dip Probes
ARCH Probe Pathlength	.25, .5. 1., 2, 5, and 10mm (Mini ARCH Probes Available for Small Volume Applications)
Dip Probe Pathlength	1, 2, 5, 10, and 20mm (Fixed or Variable)
Spectra Collection	As Fast as Every 5 Seconds
Absorbance Range	0 - 2.0 AU
Stray Light	<1%
Short-Term Noise	±0.002 AU, 100 Seconds at 250nm
Long-Term Noise	±0.005 AU, 1 Hour at 250nm
21 CFR Part 11 Compliance	Yes
Dissolution Instrument Control	Distek Model 2500, EVO 6100, EVO 6300 & symphony 7100 (With Software Rev 2.00 or Greater)
Compatible with Most All Dissolution Instruments	Yes



ARCH & Dip Probes

Designed for Dissolution Testing

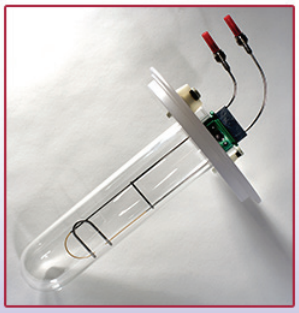
The Opt-Diss is compatible with ARCH Probes as well as fixed and variable length Dip Probes



Multicomponent Analysis

Measure up to 2 Components

New multicomponent analysis allows quantifying two components at once without separation



Mini ARCH Probes

Small Volume Dissolution Testing

Mini ARCH probes work with 100 mL and 200 mL volumes

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SEG 8/16/17