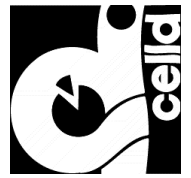
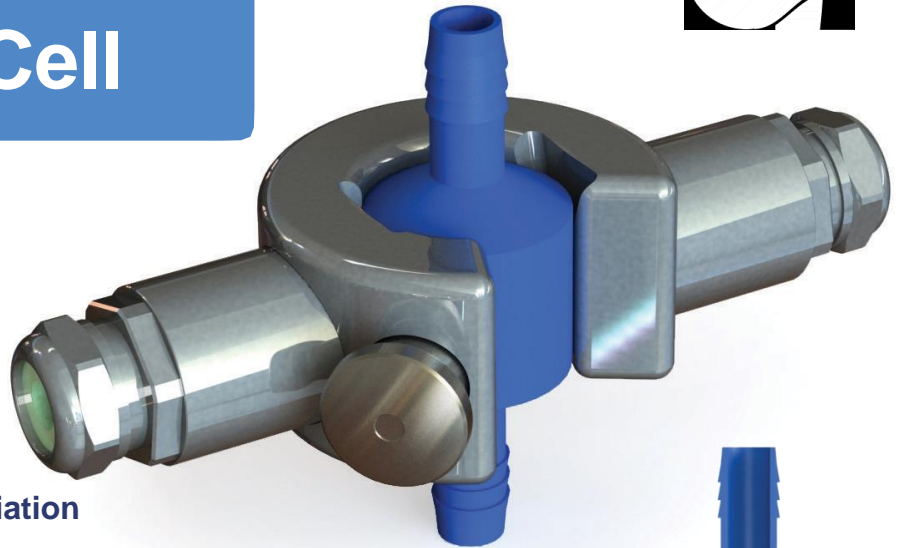


# Single Use Hygienic Measurement Cell



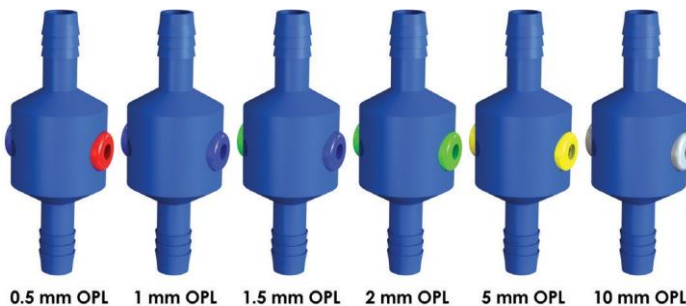
## Benefits:

- Zero dead volume
- Quick release mechanism
- Line sizes from ¼" to 1"
- Optical path-lengths from 10 mm (4.5 OD) to 0.5 mm (90 OD)
- USP Class VI and FDA certification
- Sterilized by autoclaving or irradiation



Kemtrak single use measurement cells eliminate cross-contamination between products and batches, offering the utmost in safety, convenience and flexibility in biopharmaceutical processing. The Kemtrak single use UV measurement system is ideally suited to chromatographic separation and filtration applications where a wide selection of line sizes and choice of measurement path lengths accommodate small scale discovery to full scale production.

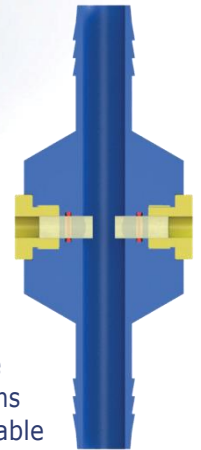
Manufactured from high purity medical grade polyphenylsulfone (PPSU), measurement cells are color coded for optical path length and sterilizable either through autoclaving or irradiation.



0.5 mm OPL   1 mm OPL   1.5 mm OPL   2 mm OPL   5 mm OPL   10 mm OPL

A zero dead volume in the cell ensures sharp peak detection for fractionation control and filtration applications.

Four sizes of cell are available from ¼" to 1" and all have ready-to-attach hose barb connections. A robust, space saving cell holder with quick insertion/release mechanism quickly and precisely positions the cell in the optical light path for reliable measurement performance. Measurement cells can be delivered with optical path lengths from 10 mm to 0.5 mm, giving overall measurement range capability of 4.5 to 90 OD when used with a Kemtrak DCP007 UV absorbance analyzer.



The Kemtrak DCP007 is an industrial in-line UV fiber optic photometer designed to accurately measure UV absorbance of fluids in filtration and separation systems using a stable long life solid state LED light source and precision fiber optics to provide drift and noise-free deep UV measurement at very high precision.

## Specifications

### Holder

Material: Stainless Steel 316L (polished)  
 Fiber Optic: SMA 905 type connector  
 Ambient Temperature: -40 to +130°C (-40°F to +266°F)  
 Protection rating: IP65, NEMA 4

### Single Use Measurement Cell

Material: Polyphenylsulfone (PPSU - blue color)  
 Windows: UV grade fused silica (190 - 2000 nm)  
 O-rings: EPDM, FFKM (FDA, USP class VI)  
 Surface: Ra < 0.8 µm  
 Process Connection: Hose barb  
 Line size: ¼", ½", ¾" & 1" (others upon request)  
 OPL: 0.5, 1.0, 1.5, 2, 5 & 10 mm  
 Pressure: 0 - 6 bar (0 - 87 psi)  
 Temperature: -50°C to +190°C (-58°F to +375°F)  
 Target steam sterilization temperature: 135°C (275°F)  
 Radiation sterilization up to 4 Mrads (Mrad) or 40 kiloGrays (kGy)

Compatible with Kemtrak industrial in-line measurement cells measuring absorption using a Kemtrak DCP007 series absorption photometer

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*Kemtrak is a leading manufacturer of fiber optic measuring and automation products for the process engineering industry. Kemtrak provides tailor made solutions to meet the needs of a wide range of industries including chemical, petrochemical & offshore, biotech, pharmaceutical, food & beverage, pulp and paper and water & environment. Kemtrak has trained representatives and support personnel globally and is certified according to ISO 9001:2015.*

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