

# CUSTOM SENSORS & TECHNOLOGY

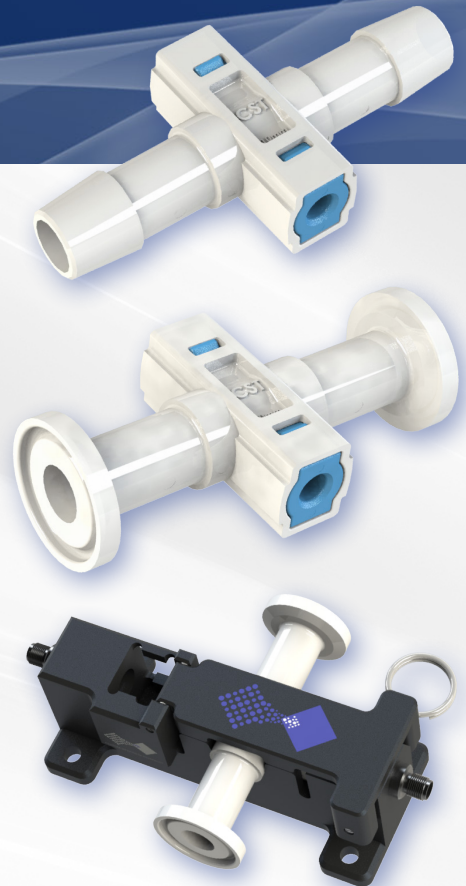
A DIVISION OF CUSTOM SAMPLE SYSTEMS

## SINGLE-USE UV-VIS-NIR PROCESS FLOW CELL & PROCESS FLOW CELL HOLDER

The Single-Use UV-Vis-NIR Process Flow Cell and Process Flow Cell Holder provide users with a complete solution for monitoring the absorbance and concentration of their bioprocess when used with the PX2 family of photometric transmitters.

The Single-Use UV-Vis-NIR Process Flow Cell is manufactured in an ISO Class 7 cleanroom from an animal and derivative free USP Class VI polypropylene that is formulated for biomedical and bioprocess applications. The flow cell features either 1/2" hose barbs or 1/2" sanitary connections with a 10 mm optical path length.

The Process Flow Cell Holder allows users to integrate the Single-Use UV-Vis-NIR Process Flow Cell easily and safely into their process. The Process Flow Cell Holder features a slot to allow NIST-traceable standards or cuvettes to be inserted into the optical path as a means of calibrating or validating without shutting down the process or introducing liquids into the flow cell. Common applications include chromatography, tangential flow filtration, depth filtration, and more.



### SINGLE-USE UV-VIS-NIR PROCESS FLOW CELL SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| Material _____                  | Polypropylene, fused silica, and silicone o-ring           |
| Pressure _____                  | Rated for 75 psi   |
| Manufacturing Environment _____ | ISO Class 7 clean room                                     |
| Biocompatibility _____          | All wetted materials meet USP Class VI                     |
| Autoclavable _____              | 60 mins at 121°C   |
| Gamma Irradiation _____         | Up to 50 kiloGrays   |
| Operating Temperature _____     | 0°C to 51°C  |
| Storage Temperature _____       | -23°C to 66°C  |
| Packaging _____                 | Standard double bag pack of 10, optional double bag single |

### SINGLE-USE UV-VIS-NIR PROCESS FLOW CELL PART NUMBERS

|                             |   |
|-----------------------------|---|
| PFC-00-000-050-050-10 _____ | Single-Use UV-Vis-NIR Process Flow Cell, 10 mm path length, polypropylene, 1/2" hose barb |
| PFC-01-000-050-050-10 _____ | Single-Use UV-Vis-NIR, 10 mm path length, polypropylene, 1/2" sanitary                    |

### PROCESS FLOW CELL HOLDER SPECIFICATIONS

|                                  |                            |
|----------------------------------|----------------------------|
| Material _____                   | Anodized aluminum or 316SS |
| Flow Cell Retaining Method _____ | Latch/Drop lid             |

### PROCESS FLOW CELL HOLDER PART NUMBERS

|                         |   |
|-------------------------|---|
| PFCH-00-200-10-00 _____ | Process Flow Cell Holder, black anodized aluminum |
| PFCH-01-200-10-00 _____ | Process Flow Cell Holder, 316SS                   |

Patent Pending  
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