

Gas Flow Cell FCS80, 1/8" Fit, SC/PC



#72-184

Stock **#72-191** 1 In Stock

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1

+

£1,080<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1-4        | £1,080.00 each                |
| Qty 5-9        | £972.00 each                  |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

|       |                       |
|-------|-----------------------|
| 78.1  | Path Length (cm):     |
| >35%  | Throughput (%):       |
| SC/PC | Fiber Connector Type: |

| General            |               |
|--------------------|---------------|
| FCS                | Type:         |
| FCS-80-SS-1/8-SCPC | Model Number: |

| Optical Properties |                        |
|--------------------|------------------------|
| 1260 - 1800        | Wavelength Range (nm): |

| Environmental & Durability Factors |                             |
|------------------------------------|-----------------------------|
| 0 to +70                           | Operating Temperature (°C): |
| -40 to +85                         | Storage Temperature (°C):   |

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| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| <a href="#">View</a>  | Certificate of Conformance: |

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## Product Details

- Free Space and Fiber-Coupled Designs for UV through IR
  - Stainless Steel Designs for Operation at High Temperatures and Pressures
  - Designed for Easy Integration
- Wavelength References Gas Flow Cells are designed for through-flow laser-based gas interrogation. The cells are housed in a rugged vacuum tight enclosure made of 316 stainless steel and feature Swagelok® tube fittings for gas inflow and outflow. We currently offer the following options:
- FCW (Windowed Gas Flow Cells) are optimized for free space applications with a CaF2 window on the endcap, and feature a 10 cm path length and >50% transmission from 150nm to 9µm.
  - FCS (Single-Mode Fiber-Coupled Gas Flow Cells) are offered in both single mode and multimode configurations that correspond to 16.7 cm and 76.1 cm path lengths, respectively. Available with FC/PC, FC/APC, SC/PC, or SC/APC connectors, these flow cells feature SMF28e fiber for use in the 1260nm to 1800nm wavelength range, and can be operated from full vacuum to 1000 Torr.
  - FCM (Multimode Gas Flow Cells) are optimized for fiber optic and FTIR spectroscopy, and feature an SMA905 connectorized fiber, a 10 cm path length, and >50% transmission from 150nm to 9µm.
- Wavelength References Gas Flow Cells are ideal for gas sensing, chemical detection, and analytical spectroscopy applications.