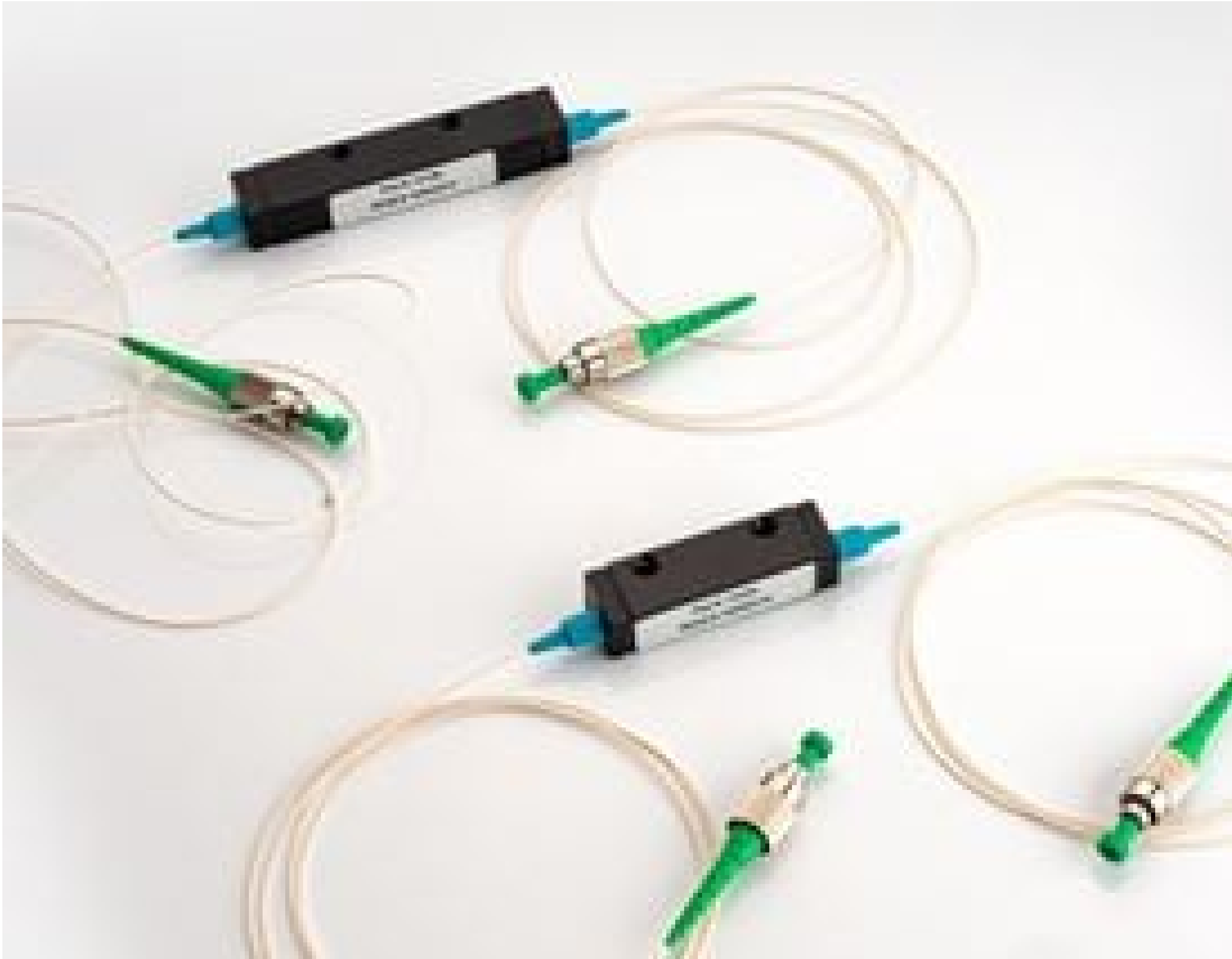


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## Acetylene Fiber-Coupled Gas Cell, 5.5 cm Path Length, SC/APC



Stock **#72-209** 1 In Stock

-

1

+

€645<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | €645,00 each                  |
| Qty 5-9        | €580,50 each                  |
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| Product Downloads                                         |                       |
|-----------------------------------------------------------|-----------------------|
|                                                           |                       |
| 5.5                                                       | Path Length (cm):     |
| SC/APC                                                    | Fiber Connector Type: |
| General                                                   |                       |
| Acetylene ( <sup>12</sup> C <sub>2</sub> H <sub>2</sub> ) | Type:                 |
| C2H2-12-H(5.5)-50-SCAPC                                   | Model Number:         |

| Optical Properties                 |                             |
|------------------------------------|-----------------------------|
| 1510 - 1540                        | Wavelength Range (nm):      |
| >50                                | Transmission (%):           |
| Environmental & Durability Factors |                             |
| +5 to +70                          | Operating Temperature (°C): |
| Regulatory Compliance              |                             |
| <a href="#">View</a>               | Certificate of Conformance: |

## Product Details

- Hydrogen Cyanide and Acetylene Gasses Available for Wavelength Coverage of 1510 to 1565nm
- FC and SC Fiber Connection Options with a Variety of Path Lengths Available
- NIST Traceable Reference Cells

Wavelength References Fiber-Coupled Gas Cells are FC/APC, SC/APC, FC/PC, or SC/PC connected fiber coupled, gas filled precision filters whose absorption wavelengths depend on specific molecular energy level transitions that may be used as wavelength standards. Hermetically sealed to maintain >10 year lifetime, these gas cells feature metal housings, wedged windows, and coated optics for minimum interference artifacts and can be easily integrated into existing benchtop systems. Wavelength References Fiber-Coupled Reference Cells are available with a variety of path lengths and pressures which meet the requirements of NIST Standard Reference Material® (SRMs) 2517a, 2519, or 2519a. Short path lengths are recommended for measuring gasses at high concentration while longer path lengths enable more sensitive measurements. These reference cells are ideal for spectroscopy, wavelength/frequency locking, laser calibration, and optical gas sensing systems. Hydrogen Cyanide (H<sup>13</sup>C<sup>14</sup>N) has been identified by national standards bodies as the primary wavelength reference in the C-band (1530 – 1565nm) while Acetylene (<sup>12</sup>C<sub>2</sub>H<sub>2</sub>) is recognized as a primary wavelength reference in the 1510 to 1540nm band.