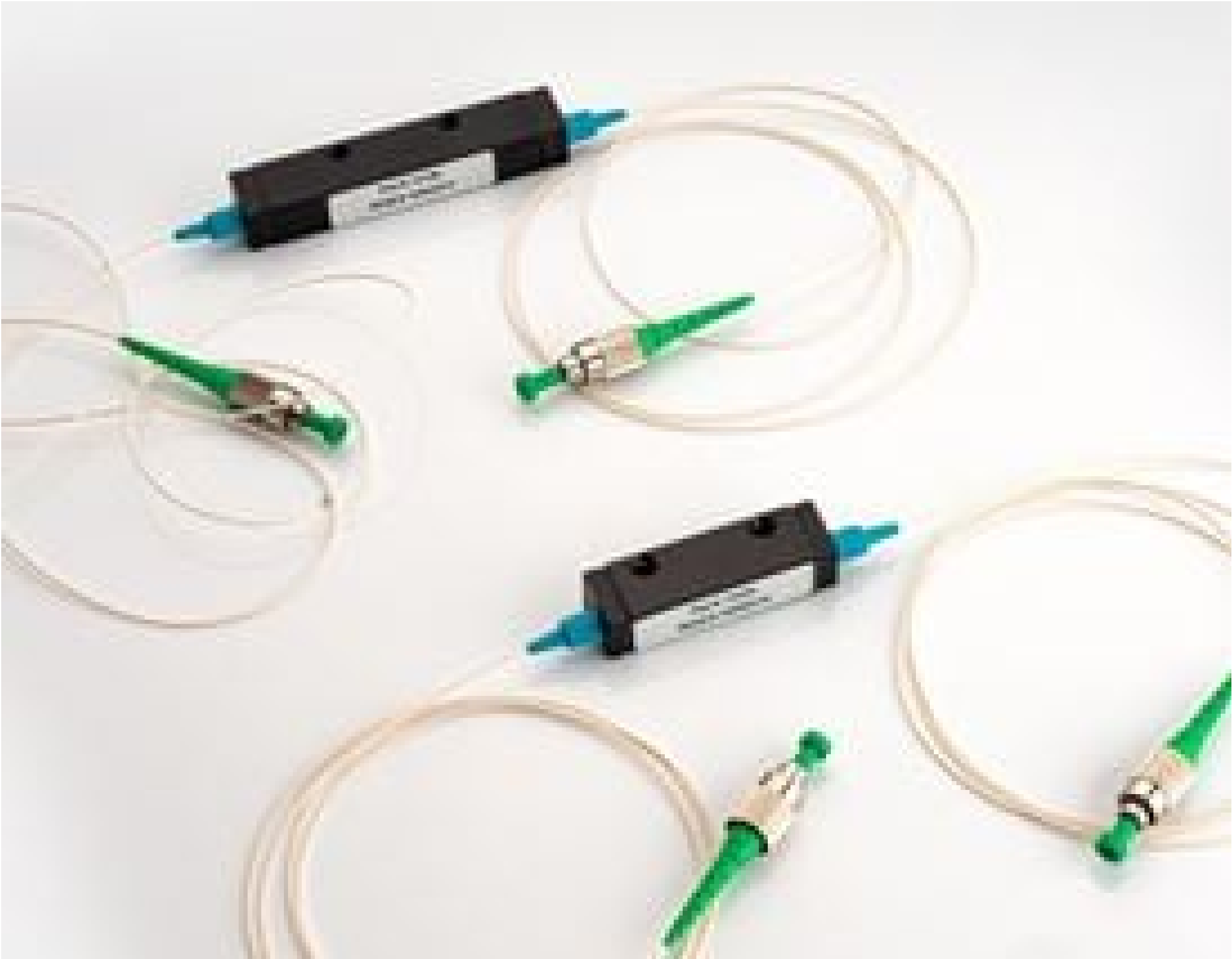


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# Acetylene Fiber-Coupled Gas Cell, 3 cm Path Length, FC/APC



Stock **#72-204** [CONTACT US](#)

-

1

+

£468<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | £468.00 each                  |
| Qty 5-9        | £421.20 each                  |
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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

3

Path Length (cm):

FC/APC

Fiber Connector Type:

General

Type:

Acetylene (<sup>12</sup>C<sub>2</sub>H<sub>2</sub>)

Model Number:

C2H2-12-H(3)-200-FCAPC

| 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.