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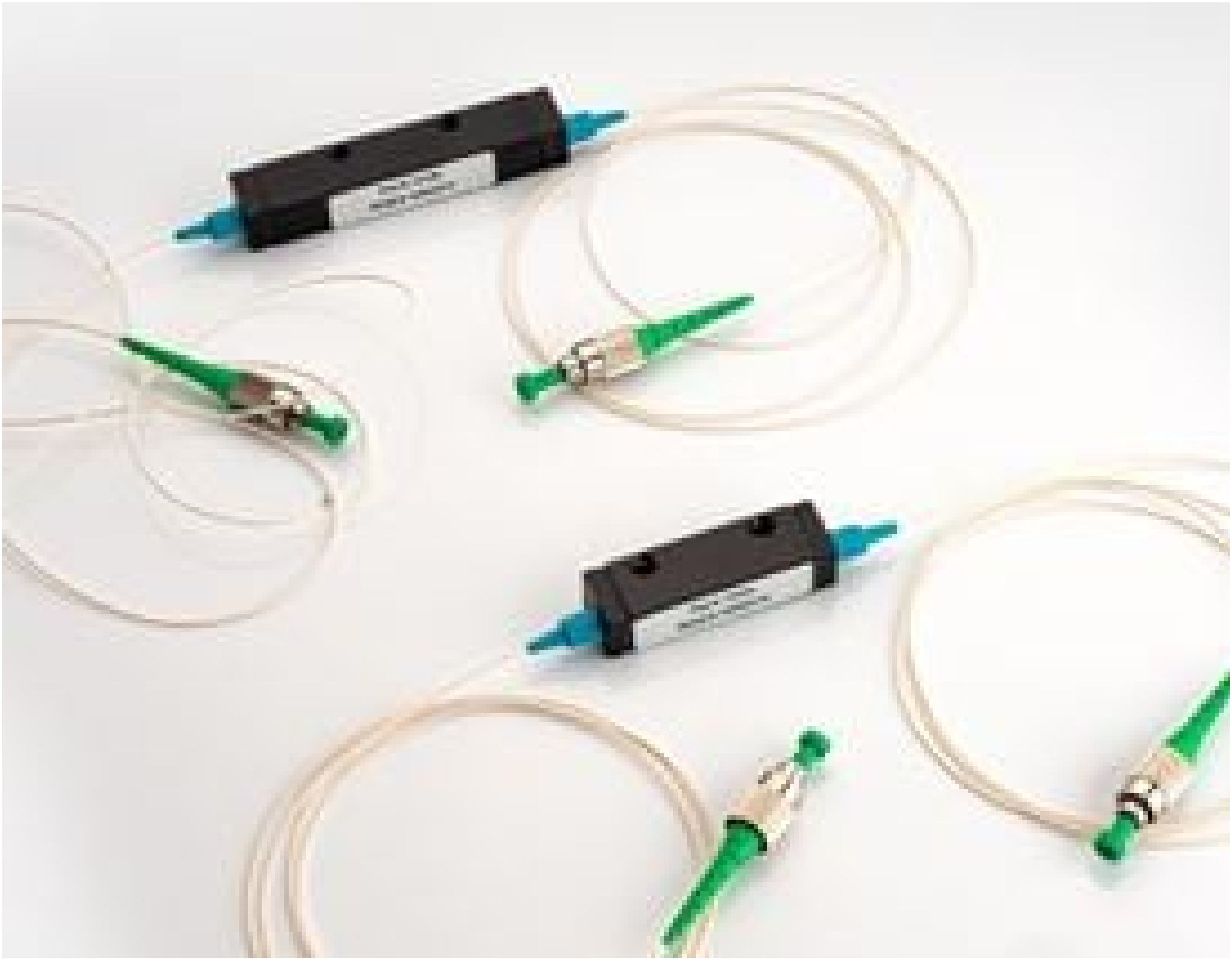
Acetylene Fiber-Coupled Gas Cell, 3 cm Path Length, SC/PC



Stock **#72-207** **1 In Stock**

- 1 + **£468**.00

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Volume Pricing	
Qty 1-4	**£468.00** each
Qty 5-9	**£421.20** each
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Product Downloads

Path Length (cm):
3

Fiber Connector Type:
SC/PC

General

Type:
Acetylene ($^{12}C_2H_2$)

Model Number:
C2H2-12-H(3)-200-SCPC

Optical Properties

Wavelength Range (nm):
1510 - 1540

Transmission (%):
>50

Environmental & Durability Factors

Operating Temperature (°C):
+5 to +70

Regulatory Compliance

Certificate of Conformance:
View

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 ($H^{13}C^{14}N$) has been identified by national standards bodies as the primary wavelength reference in the C-band (1530 – 1565nm) while Acetylene ($^{12}C_2H_2$) is recognized as a primary wavelength reference in the 1510 to 1540nm band.

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