

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



Stock #72-211 **1 In Stock**

- 1 + MRP ₹68,499

**i** Price inclusive of all taxes

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Qty 1-4	₹68,499 each
Qty 5-9	₹61,649 each
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### Product Downloads

5.5 Path Length (cm):

SC/PC Fiber Connector Type:

### General

Acetylene ( $^{12}\text{C}_2\text{H}_2$ ) Type:

C2H2-12-H(5.5)-50-SCPC Model Number:

## Optical Properties

**Wavelength Range (nm):**

1510 - 1540

**Transmission (%):**

>50

## Environmental & Durability Factors

**Operating Temperature (°C):**

+5 to +70

## Regulatory Compliance

**Certificate of Conformance:**

[View](#)

**Country of Origin:**

United States

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91-80-6845 0000

## 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.