

Hydrogen Cyanide Fiber-Coupled Gas Cell, 5.5 cm Path Length, FC/APC



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1

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SPECIFICATIONS

General

Type:

Hydrogen Cyanide (H¹³C¹⁴N)

Model Number:

HCN-13-H(5.5)-25-FCAPC

Path Length (cm):

5.5

FC/APC	Fiber Connector Type:
Optical Properties	
1525 - 1565	Wavelength Range (nm):
>50	Transmission (%):
Environmental & Durability Factors	
0 to +70	Operating Temperature (°C):
Regulatory Compliance	
View	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 (H¹³C¹⁴N) has been identified by national standards bodies as the primary wavelength reference in the C-band (1530 – 1565nm) while Acetylene (¹²C₂H₂) is recognized as a primary wavelength reference in the 1510 to 1540nm band.