

*World's Leading
Supplier of Gas Cell
Technology*

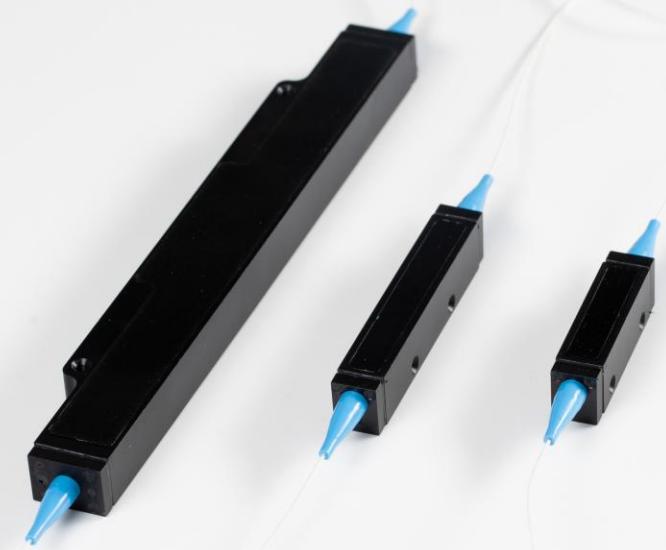


1800 SW 3rd Street, Ste 140
Corvallis, OR 97333

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541-738-0528
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sales@wavelengthreferences.com

www.wavelengthreferences.com



Wavelength References

Product Catalog



Gas Cells

We offer a full line of low-cost gas cells, both standard and custom, fiber-coupled and free space for applications such as

- Sensing Systems
- Gas Detection
- Metrology
- Calibration

Fiber-Coupled Cells

Ideally suited for O- and C-Band applications, our fiber-coupled cells come in a variety of off-the-shelf configurations. Popular models include:

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

100 Torr C13 HCN in 5.5cm path with FCAPC connectors.
1.1dB at 1536.703 nm, 16pm absorption width

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

200 Torr C2H2 in 3cm path with FCAPC connectors. 8 dB at 1530.3714nm, 20pm absorption width

HF-H(2.7)-50-FCAPC

50 Torr HF in 2.7cm path with FCAPC connectors. 6dB at 1312.6nm, 16pm absorption width

Free Space Cells

Our free space absorption cells extend out to the Mid-IR and come in a variety of configurations, with tube diameters from 5 to 25mm, lengths from 1 to 40cm and pressures from <1 to 740 Torr.

Flow Cells

Our Flow Cells allow for gas spectroscopic analysis from 160 nm to > 25 microns in both fiber-coupled, free space and FTIR applications.

Stainless Steel construction with viton o-rings and gaskets for a compression seal. Swagelok 1/4 tube fittings on the gas inlet and outlet ports.

Models include:

FCS: Fiber-coupled flowcells in 16cm and 80cm path configurations.

FCM: Flowcell designed for UV to MID-IR using SMA connected fiber.

FCW: A free space flow with interchangeable windows for UV to MID-IR applications.



Traceable Gas Locked Lasers

Our low-cost 1550nm wavelength-stabilized lasers sub-picometer stability and accuracy. They are offered in two configurations:

Clarity CLM-PFR-1550

The Precision Frequency Reference laser stabilizes to the peak of an HCN absorption line and gives the user a sub-picometer absolute accuracy traceable frequency reference.

Clarity CLM-NLL-1550

The Narrowed Linewidth Laser stabilizes to the side of the absorption line for sub-picometer stability and narrowed linewidth performance.

Key Specs Include (see datasheet for full details)

0.1pm absolute accuracy, PFR
100kHz linewidth (PFR) or <5kHz (NLL)
40mW output power
PM, FCAPC output.

