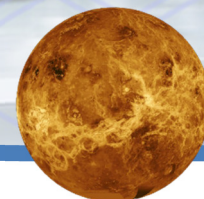




FTIR Gas Analysis Instruments

Gemini Specialty Gas Cells for FTIR gas analysis

Venus Series Glass Bodied Gas Cells



Venus Series Gas Cells from Gemini are glass-bodied sample cells for general analytical application at room temperature and atmospheric pressure. Available pathlengths are from approximately one to six meters in half meter increments.

The optical configuration is a "Hanst" style multi-pass cell where the mirrors are permanently aligned at the designated pathlength, glued to the glass chamber (borosilicate(pyrex)) and fixtured with black anodized aluminum hardware.

Swagelok gas fittings with valves are commonly provided. End plates can be plumbed with tapped NPT holes or VCR connections.

Standard optical coatings are multi-layered dielectric bare gold, a highly durable and highly reflective surface. Alternative coatings can include protected silver, protected gold, or aluminum coatings.

VENUS V – 500cc / 4.8 meter Long Path Cell

Venus Series Long Path Gas Absorption cell for FTIR gas analysis Transfer optics for center-focus FTIR and standard cell holder. SS Swagelok connections, with flow tube and SS valves. Comes standard with two 25mm x 4mm KBr windows.

Pathlength: 4.8 meters, fixed

Volume: 500cc

Cell Body: borosilicate glass (pyrex)

Cell Hardware: aluminum black anodized

Optical Coating: GeminiGold[™] multilayer

Temperature Range: ambient

Pressure Range: vacuum-ambient

| Part Number | Description | Path length / Volume | Window Size |
|-------------|---|----------------------|-------------|
| 9275 | Mercury 316ss Electropolished 1cm Short Path Gas Cell | 1cm / 10cc | 25mm X 4mm |
| 9636 | Mercury 316ss Electropolished 3cm Short Path Gas Cell | 3cm / 30cc | 25mm X 4mm |

