



FTIR Gas Analysis Instruments

Gemini Specialty Gas Cells for FTIR gas analysis

Earth Series Glass Bodied Gas Cells



Earth 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.

Earth X – 2 liter / 10 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: 10 meters, fixed
Volume: 2 liters
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
9298	Earth Series 2L/10M fixed path glass bodied long path gas cell	10m / 2 liters	25mm X 4mm
9300	Earth Series 8L/20M fixed path glass bodied long path gas cell	20m / 8 liters	25mm X 4mm

International Crystal Laboratories

11 Erie St. Garfield, NJ 07642

www.internationalcrystal.net ph: (973) 478-8944 fx: (973) 478-4201



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