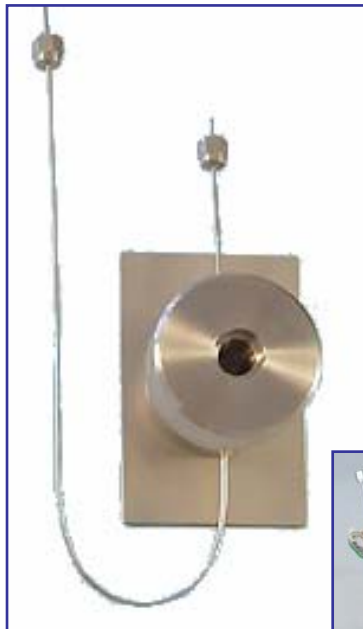


## High Pressure DLC Liquid Cell



These cells permits infrared transmission studies of pressurized liquids, mulls, and smears at elevated temperatures and pressures. They are designed and suited for both laboratory and process control applications.

### Features:

- Variable pathlength (6 $\mu$ m to 1mm).
- Easy to disassemble, clean and replace the windows.
- 8mm clear aperture.
- Chemically resistant 316 stainless steel body.
- Includes two ports with 1/16" Swagelok™ fittings for static and flow-through applications.
- Sample slide plate mounted for easy installation in FTIR spectrometers.
- Optional **stainless steel pathlength spacers** available for pathlengths up to 5mm.
- Two models available:



- High Pressure Liquid Transmission Cell for operation to 34.5 MPa (5000 psi).
- Temperature-Controlled High Pressure Transmission Cell. Heatable to 200°C with Viton O-rings or 240°C with Kalrez O-rings. Thermally-insulated. Features flow-through coolant conduit, K-type thermocouple, and imbedded cartridge heaters. Maximum pressure depends on operating temperature and window material.

### Includes

- Stainless steel transmission cell, Viton O-rings, and mounting hardware for the windows.
- Assorted pathlength spacers made of Teflon. One each of the following thicknesses: 6, 12, 25, 65, 100, 150, 250, 390, 500, 630, 750, and 950 $\mu$ m.
- Heatable model includes thermocouple, low-voltage heaters, and cooling conduit.
- Slide plate mounting.

### Other similar products available:



DLC Liquid Cell, Pressure  
Up to 660psi



DLC2 PTFE Body, pressure up to  
200psi



Temperature Controlled DLC version,  
Up to 660psi and Temperature from  
-80°C to 240°C

# eurolabo

35, rue de Meaux - 75019 PARIS

Tél. 01 42 08 01 28 - Fax 01 42 08 13 65

e-mail : [contact@eurolabo.fr](mailto:contact@eurolabo.fr) • <http://www.eurolabo.fr>