



General Features

Our Full visual PVT 300ml/700bar cell – Educational purpose has the same analysis capabilities than our best sellers PVT FV with downgraded pressure/volume ratio and less automatism (automatic rotating mechanism, automated pneumatic valves).

| Specifications | |
|--------------------------------|------------------|
| Max. Working pressure | 700 bar (70 Mpa) |
| Max. Working Temperature | Ambient to 180°C |
| PVT Cell Volume | 300 ml |
| Visual volume | 300 ml |
| Accuracy on measurements: | |
| Pressure | 0.1 bar |
| Temperature | ±0.1°C |
| Liquid deposit | 0.005 ml |
| Bubble/dew point repeatability | ±0.35 bar |
| Resisting corrosive abilities | CO2 and H2S |



Measurements

The PVT FV EDU can perform the full range of experimentations That PVT FV can perform with crude oil, volatile oil or gas condensate:

- Constant Compositional Expansion
- Constant Compositional Depletion
- Separator Test
- Differential Vaporization
- Fluid Envelop Phase
- Constant Volume Depletion

Characteristics

- Constant temperature control system
- Stirring by magnetic coupling
- Automatic valves
- Control cabinet
- Calibrated pressure sensor and temperature sensor
- CCD digital video camera 6M pixels
- Data acquisition and processing system
- High pressure valves, pipes and filters

Example of synoptic

