

PVT (PV-S30)



Description:

The PVT system is designed to determine the behavioral phase of hydrocarbon fluids at reservoir conditions of pressure and temperature. It can be used to perform PVT tests on black oil, volatile oil, etc. This device uses an embedded high-pressure pump to control the pressure and volume of the reservoir fluid in the cell. A magnetically coupled stirrer mounted inside the sample chamber provides efficient fluid mixing and ensures fast equilibrium of the sample phase.

Technical Specification:

Maximum working pressure: 1000 bar
Pressure transmitter
Pressure transmitter accuracy: 0.1% full scale
Maximum working temperature: 130°C
Temperature resolution: ±0.1°C
Heating system: Thermal jacket
Cell Volume: 400 cc
Volume accuracy: 0.001 cc
Gasometer × 1: Equipped with a linear encoder
Volume: 4 liters
Pressure accuracy: 0.5% full scale
Temperature accuracy: 0.5% full scale
Linear encode accuracy: 5µm
Wetted parts: stainless steel 316L