



Apex technologies co., designed and manufactured a new and so compact oil PVT cell comprises an embedded high-pressure pump to control and monitor the fluid's pressure and volume within the cell. A video camera system continuously surveys the gas/liquid interface to precisely control the interface of gas/liquid. Cell rotation is achieved via a powerful rocking mechanism. A new and so simple magnetically coupled stirrer mounted inside the sample chamber provides efficient fluid mixing and ensures fast thermos-physical equilibrium. In addition, homogeneous sample heating is generated by an efficient isothermal heating jacket.

Apex Reservoir Fluid PVT Analysis System comprises of one set of PVT instrument and some ancillary equipment, as gasometer, HP pressure sample cylinders, HP single pumps, etc. is able to perform analysis of different GOR reservoir fluids as crude oil, volatile oil under high pressure and temperature condition.



Technical Specification:

Touch panel× 1: Equipped with a software for controlling the system
Visual monitoring of bubble point appearance and disappearance
It is applicable to be utilized for recombination purposes
Simple, compact and efficient magnetic mixing system
Camera for online monitoring of the visual section: 2 MP
Macro lens: Macro lens
Equipped with two HP-HT sapphire sight glasses
Pressure transmitter: Wika
Pressure transmitter accuracy: 0.25 % full scale
Rocking system to rotate the main vessel
Maximum Temperature: 100 °C
Temperature resolution: ± 0.1 °C
Metering valves: BuTech / Hoke
Operating valves: Vee Lok
Maximum pressure: 400 bar
Volume accuracy: 0.001 cc
PVT cell volume: 200 cc
Applicable just for oil
O-Ring: F.K.M
Stainless steel 316 L
Dead volume: 5 cc
Easily portable

