

# HPHT

(KE-IFT-03)

## Description

This apparatus is designed to measure IFT at reservoir condition. It

could be applied in the following studies:

- IFT of liquid/liquid systems at reservoir condition
- IFT of liquid/gas systems at reservoir condition
- Minimum Miscibility Pressure (MMP) using Vanishing Interfacial Tension (VIT) technique



## Specification

- IFT measurement range: 5-72 mN/m
- Maximum operating temperature: 120° C
- Heating Mechanism: Thermal jacket
- Maximum operating pressure: 400 bar
- Pressure measurement accuracy: 0.5% of range
- Wetted parts material: Stainless Steel 316L
- High pressure line and connections brand: Veelok
- Dosing system: Hand pump, designed to be capable to use automatic pump for live oil systems
- 2 sight glasses for the cell
- Sight glass material: Quartz
- Needle material: Stainless Steel 316L
- 3 degrees of freedom for the system stages; X, Y and Z directions
- Camera: 2 Mega Pixel, CMOS type sensor and macro lens
- Online software for IFT measurement and data acquisition system with the capability of capturing and filming the droplets
- Equipped with 4.3 inches LCD and CPU processor.