

HP-HT Pendant Drop IFT Measurement

VIT-ES20



Description:

The Pendant Drop Interfacial Tension system is designed to measure interfacial tension between liquid-gas and liquid-liquid interfaces using the pendant drop method, as well as the contact angle between liquid and solid interfaces under reservoir pressure and temperatures up to 400 bar and 100°C. The cell is adaptable for different needle sizes, ensuring a wide measurement range. Two manual pumps facilitate the independent discharge of bulk fluid and drop fluid into the visual cell, which is equipped with sapphire sight glasses and metallic seals.

Technical Specification:

- IFT range: 3-72 mN·m⁻¹
- Maximum working pressure: 400 bar
- Pressure transmitter
- Pressure accuracy: 0.5 % full scale
- Maximum working temperature: 100 °C
- Temperature resolution: ±0.5 °C
- High-pressure cell equipped with 2 HP sight glasses
- Two high-pressure manual pumps
- Digital camera 200x
- Four degrees of freedom camera positioner
- Backlight
- Online drop shape analysis software



Shiraz Technology Park of Chemical Industries, Industrial Estate, Shiraz, Iran

Tel No: +98 7137744659

Phone No: +98 9177106084

Email: eortech.official@gmail.com

Website: fet-co.com