

Drop Shape Analysis System

Measurement of interfacial tension at reservoir conditions is critical both for the IFT measurement at harsh reservoir condition and minimum miscibility pressure measurement if gas is used as the EOR agent.

A liquid drop is brought in contact with gas or solid in a cell at reservoir conditions. A camera connected to a computer records the shape of the liquid drop to estimate the interfacial and contact angle properties. The Drop Shape Analysis System software allows the fast estimation of surface and interfacial tension of pendent drop and contact angles of sessile drops.



Specification	DAS-BR01	DAS -PR01	HDS- PS01	HDS- PS03
IFT Measuring Range	2 – 72 mN/m	2 – 72 mN/m	2 – 72 mN/m	5 – 72 mN/m
Maximum Working Temperature	Ambient	Ambient	90 °C	150 °C
Maximum Working Pressure	Ambient	Ambient	6000 Psi	10000 Psi
Dosing System	Manual	Automatic	Manual	Automatic
Input Power Supply	220 VAC, 50/60 Hz	220 VAC, 50/60 Hz	220 VAC, 50/60 Hz	220 VAC, 50/60 Hz
Wetted Parts Material	Glass & Stainless Steel	Glass & Stainless Steel	Glass (Quartz) & Stainless Steel	Glass (Quartz) & Stainless Steel
Contact Angle Measurement System	✓	✓	✓	✓
Automatic Control & Data Acquisition System	✓	✓	✓	✓
Data Acquisition System	✓	✓	✓	✓
Pressure Accuracy	✗	✗	0.05 % F.S.	0.05 % F.S.

Contact info:

+98 71 3624 6968 / +98 71 3624 7604
info@petroazma.com
www.petroazma.com

Address:

Fars Science and Technology Park,
Aryan St., Dr.Hesabi Blvd., Shiraz, I.R.Iran
P.O Code: 7197687811