

Foamer Series

Foaming Characteristics Analyzer

ASTM D892, ASTM D6082, ASTM D1881, ASTM D7840

Foamer Foaming Characteristics Analyzer is a fully-automated foaming characteristics (tendency) analyzer according to ASTM D892, D6082, D1881, D7840 and user-defined custom methods.

Foaming tendency is one of the fundamental properties of a lubricating fluid which can be caused by detergents, anti-oxidation additives, mixing of various types of lubricating oils or by the dust or water. Foaming in a lubricant causes improper lubrication and oil loss that leads to high expenses and pollution. Also the lubricant's capacity to bear the load gets lower; oxidation gets higher and heat transfer property becomes inefficient.

Foamer Series Analyzers are designed to measure foaming tendency of lubricants and anti-freeze samples in a dry oven block up to 160°C. With different models, Foamer Analyzer is a stand-alone unit, equipped with flow, temperature controllers and foam volume sensors to avoid operator requirement for analysis and reporting.



Key Benefits

Sensitive Temperature Control: 0.01°C temperature control sensitivity within wide temperature range.

Automatic Operation: Fully automated air flow regulation, heating, measurement, calibration.

Real-time Monitoring: Real time monitoring of foam volume, chamber and sample temperature with graphical interface.

Precise Measurement: Achieve highest accuracy with unattended analysis.

Reporting: Analysis data report transfer to USB and PC environment whenever required.

User-Friendly Interface: Windows based touch screen panel and device software for simplified operation.

Data Integration: Easily export and integrate your data with lab management systems.

Foam Detection: Automatic foam volume measurement up to 1000 mL with Optical Foam Detection System (OFDS)

Models

Foamer S20	4 slots, 2 flow controller
Foamer S40	4 slots, 4 flow controller
Foamer A40	4 slots, 4 flow controller, 4 volume sensors

Specifications

Methodology	ASTM D892, ASTM D6082, ASTM D1881, ASTM D7840
Heating	Dry oven block
Viscometer range	125 - 170 Fold
Temperature range	15°C to 160°C
Temperature sensitivity	0.01°C
Temperature stability	0.05°C
Temperature control	Chamber & sample
Time detection precision	0.01 s
Measurement range	Up to 1000 mL
Display	7" Touch Panel Screen
Data transfer	USB & Ethernet (RJ45)
Cooling	Embedded cooling coil
Security	Over temperature
Weight	70 Kg
Dimensions	60 x 50 x 90 cm
Power requirement	220 VAC – 50 Hz
CE Mark	