

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

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| 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

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|--------------------------|---|
| 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 | |