

# Lubricating Oil Foaming Characteristics Tester

This tester determines the foaming characteristics of lubricating oil. It evaluates foaming tendency and stability using industry standard test methods.



## Overview

### Precision Foaming Characteristics Testing

The Lubricating Oil Foaming Characteristics Tester is a specialized laboratory instrument designed to evaluate the foaming tendency and foam stability of lubricating oils. It features a dual-bath system, allowing for testing at both low and high temperatures to ensure comprehensive performance analysis. With precise air flow regulation and accurate temperature control, this device provides repeatable data essential for assessing oil quality and suitability for industrial applications.

## Power and Electrical

Total Power Consumption	3000 W
Main Heating Power	650 W
Auxiliary Heating Power	1000 W
Refrigeration Power	500 W
Power Supply	AC 220 V $\pm$ 10%, 50 Hz

## Performance Metrics

### Temperature Control Range

**5 °C to 99.9°C**

Low Temp Bath

**20 Ambient to 99.9°C**

High Temp Bath

Temperature Control Accuracy	0.5 °C
Air Flow Rate	94 $\pm$ 5 ml/min (adjustable)

## Timing and Precision

### Timer Settings

- 5 minutes
- 10 minutes

Timing Accuracy	0.01%+0.05s (at 20°C)
-----------------	-----------------------

## Operating Environment

### Operating Environment

Parameter	Range
Ambient Temperature	-10°C to +40°C
Relative Humidity	d85%