

Liquid Petroleum Hydrocarbon Composition Analyzer

This analyzer determines the percentage of aromatic hydrocarbon, olefin, and saturated hydrocarbon in petroleum fractions. It calculates volume percentage after the main hydrocarbon of liquid petroleum products is shown on the silica gel adsorption column with a fluorescent indicator.



Overview

Precision Hydrocarbon Analysis

The Liquid Petroleum Hydrocarbon Composition Analyzer is a specialized instrument designed for accurate laboratory determination of hydrocarbon compositions in petroleum-based liquids. Featuring an independently controlled electric agitator for each testing channel, this unit ensures consistent sample preparation. It is built with a durable vertical frame and an integrated control panel, providing researchers with precise management of pressure and testing parameters.

Operating Environment

Ambient Temperature	35 °C
Relative Humidity	d85%

Power and Utilities

Power Supply	AC220V \pm 5% 50Hz
Air Supply Source	Nitrogen cylinder, Air compressor, Compressed air bottle

Testing Capabilities

Pressure Regulating Range

400 kPa

Max Pressure

Ultraviolet Light Source

Parameter	Value
Length	1220 mm
Wavelength	365 nm \pm 5 nm

Illuminating Lamp

40 W

Power

1220 mm

Length

Agitator Control

Independently controlled for each way