



FIA

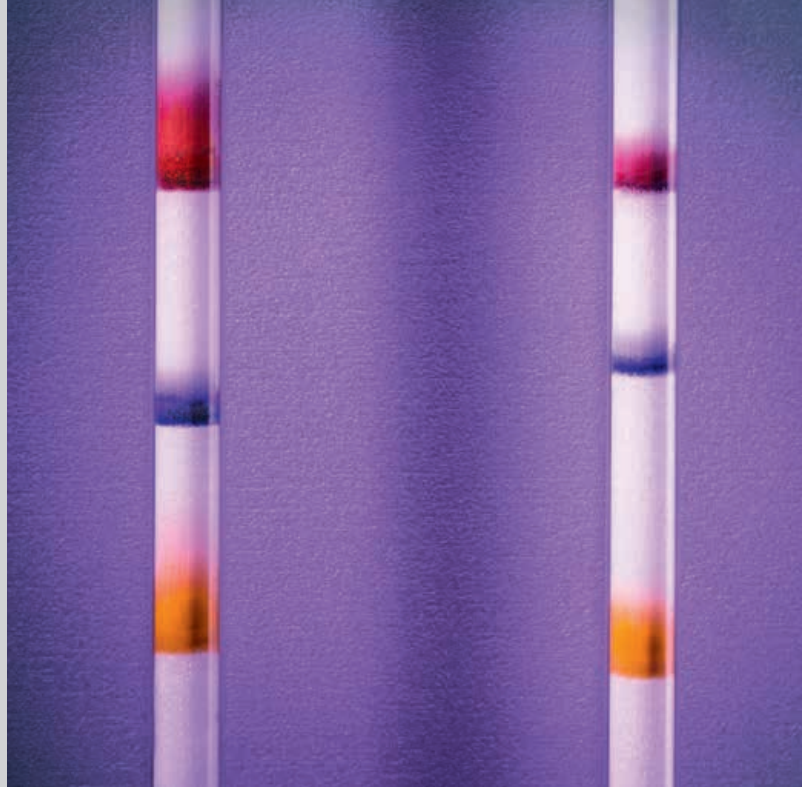
Fluorescent Indicator Adsorption Analyzer

FIA Fluorescent Indicator Adsorption Analyzer

The FIA analyzer determines the total volume % of saturated hydrocarbons, non-aromatic olefins and aromatics in liquid petroleum products. A fluorescent indicator adsorption analyses separates hydrocarbons along with fluorescent dyes in a column packed with silica gel. Ultraviolet light will make the fluorescent dyes in each zone visible.

The quantitative determination helps to characterize the quality of petroleum fractions as blending components for motor and aviation fuels and as feeds to catalytic reforming processes.

Typical applications for FIA are hydrocarbon mixtures with a boiling point below 315 °C (gasoline and aviation fuel).



Benefits at a Glance

- ▶ Wall mounting panel with mounting fixtures for up to 4 columns
- ▶ 4 independently operating pressure gauges with needle valves and pressure manifolds

Convenient Operation

- ▶ Handheld UV lamp with 3x magnification
- ▶ Portable vibrator to tighten the silica gel
- ▶ Scale with adjustable magnetic set points (optional)

Customized User Flexibility

- ▶ ASTM Standard Column Set (optional)
- ▶ ASTM Precision Bore Column Set (optional)

Standard Methods

ASTM D1319, ISO 3837, FTM 791-3703, IP 156

Technical Specifications

Test places	1 to 4
Pressure gauge	psi/bar double-scale
Syringe volume	1 mL
Dimensions	850 mm x 195 mm x 1900 mm (W x D x H)
Weight	approx. 50 kg