



5103

Gas Chromatograph with Flame Ionization Detector (FID) (Perkin Elmer, AutoSystem XL)

DESCRIPTION

Dual-channel gas chromatograph with programmable temperature oven and two complementary detectors. The FID responds to organic compounds.

MAIN FEATURES

- Detectors: flame ionization (FID)
- Channels: dual independent channels
- Columns: accommodates packed and capillary columns
- Oven: temperature programming with multiple ramps and plateaus
- Injection: split/splitless, with large volume, autosampler options and on column
- Control: microprocessor-based, with color-coded keyboard and display
- Data: acquisition and processing via chromatography software (TotalChrom)

MAIN APPLICATIONS

- Quantification of reactants and products in catalytic activity assays
- Calculation of conversion, selectivity and yield
- Analysis of hydrocarbons, alcohols, acids and esters by FID
- Monitoring of reaction profiles in batch and fixed-bed reactors

ASSOCIATED TECHNOLOGY

1102

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