EQUIPMENT CARD

PLAPIQUI




# 5604

# Gas chromatograph/Flame Ionization Detector (FID)/Thermal conductivity detector (TCD) (Perkin Elmer, AutoSystem XL)

## DESCRIPTION

Fully automated dual-channel gas chromatograph with flame ionization detector. It allows the simultaneous analysis of organic compounds and gaseous samples.

## MAIN FEATURES

- Oven: volume 10,600 $cm^3$; range from 10 °C above ambient to 450 °C (–99 °C with subambient accessory)
- Programming: 3 ramps and 4 plateaus; rates from 0.1 to 45 °C/min; times from 0 to 999 min
- Cool-down: from 250 to 50 °C in 4.8 min
- Detectors: FID
- Inlets: split/splitless, programmable PTV, on-column and packed column, plus gas sampling inlet
- Pneumatics: programmable pressure control (PPC) with automatic compensation for ambient temperature and pressure
- Autosampler: integrated, 108-position tray
- Interface: color touch screen with real-time chromatogram and multilingual support
- Swafer technology: switching between columns, inlets and detectors without rewiring
- Software: TotalChrom, with 21 CFR Part 11 compliance

## MAIN APPLICATIONS

- Simultaneous analysis of organic products (FID)
- Evaluation of catalyst activity and selectivity
- Monitoring of sugar dehydration reactions to furfural
- Characterization of gases and condensables from pyrolysis processes
- Analysis of volatile organic compounds in environmental matrices

## ASSOCIATED TECHNOLOGIES, CAPABILITY AND SERVICE

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## CONTACT US

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