VERSATILE OPERATION

offered by this new
PACKARD DUAL COLUMN
CHROMATOGRAPH

This new Packard Model 7508 Dual Gas Chromatograph offers the research or control laboratory new and higher standards of operating flexibility, detection sensitivity, and programming flexibility. Housed in a slim and elegant console, the system modules and companion dual column oven are designed for utmost operator convenience. Modular design of system components permits selection of a complete gas chromatograph to meet your requirements.

FIVE DUAL PLUG-IN DETECTION SYSTEMS—argon ionization, flame ionization, thermal conductivity, electron capture, or d.c. discharge may be quickly interchanged in the thermally isolated detector oven.

PROPORTIONAL TEMPERATURE CONTROL module with solid state, phase sensitive heater control provides extreme temperature stability and excellent reproducibility in column and detector ovens. Separate meters indicate voltage being applied to column and detector heaters. Separately controlled inlet and outlet heaters for instantaneous sample vaporization and prevention of condensation at exit ports. Six-point system temperature measurement monitored with thermocouple pyrometer employing cold-junction compensation.

ELECTRONIC DIGITAL TEMPERATURE PROGRAMMER module provides programmed temperature operation from ambient to 300°C. Linear programming in 0.1°C steps from 0.1°C to 10°C/minute is provided. Isothermal or programmed operation may be selected as required. When a run is completed, cooling water is automatically circulated through oven wall to return oven temperature to ambient in less than 10 minutes.

DUAL, FULLY TRANSISTORIZED ELECTROMETERS have 14 highly stable operating ranges from $3 \times 10^{-6}$ to $1 \times 10^{-12}$ amperes full scale, indicated on large dual range panel meters. Recorder outputs of 10 mv, 1 mv, and 1 ma are available. Electrometers are independently replaceable.

HIGH VOLTAGE POWER SUPPLY module incorporates two separately controlled solid state circuits providing up to 2250 volts in 25 volt increments. Power switch provides warmup position without energizing high voltage circuits.

DUAL RECORDERS—Two 6" strip charts record individual sample components as they are eluted from their respective columns. Dual charts also permit simultaneous recording of mass and radioisotopes from a single sample utilizing a mass detector and a Packard Tri-Carb® Flow Detector System.

DUAL COLUMN OVEN accepts 2 coiled glass or metal columns. Any of five plug-in detectors may be used. High mass design provides extremely stable isothermal operation. Columns and detector assemblies lift out of ovens for changing or making connections outside heated oven area.

Your Packard Sales Engineer will gladly provide complete details and performance criteria. Write for Bulletins and specifications.