

## Fast Dual Column FID Chromatograph

### Benefits

A precision piece of equipment, the flame ionization detector gas chromatograph is designed for ease of use and ease of service. This device provides a data stream twice faster than our single channel FID. Front panel controls provide attenuation, manual and automatic valve sequencing, detector offset and detector gain adjustments. The chromatograph's gain control is used to adjust the instrument's basic sensitivity, accommodating most charting and integration instruments.

Front panel pressure gauges display fuel air, fuel hydrogen, carrier A hydrogen and carrier B hydrogen for both channels. The displayed pressures are ratio metric to the flows developed through fixed restrictors inside the instrument. The adjustment and regulation of these pressures is accomplished using precision instrumentation regulators.

### Features

- High precision data with excellent seven peak separation from methane to isopentane and pentane
- Includes built in data acquisition card
- Serial USB output for ease of access and quick integration



### Specifications

- Signal output range 0-5 V captured with high precision 24bit ADC (attenuated 1-2-5-10-20-50)
- Seven peak cycle time C1-C5 @ 45 seconds
- Sample switching High precision rotary valves
- Two Micro packed analytical and two micro packed stripper columns provide sensitivity up to one part per million
- Operating range 0 - 100% methane equivalent
- Carrier Gases: Hydrogen and Air
- Hydrogen Consumption ~ 15 cc/min
- Six electronically controlled heat zones with high precision
- Weight: 45 lbs
- Dimensions: 23" x 19" x 7"