

TITLE: CONTINUOUS AUTOMATIC GAS CHROMATOGRAPH**DEPARTMENT: TECHNICAL SUPPORT****DESCRIPTION:**

1. ILI Model 1002 Chromatograph
2. FID Hydrogen Flame Detector
3. LED Display selectable for column temperature, run time, signal output, and auto recycle time
4. Reports C1-nC5 within 90 seconds
5. Syringe injection port for specific analysis
6. Sample dilution not necessary

**SPECIFICATIONS:****POWER REQUIREMENT:** 110 VAC, 10% Tolerance
Consumption: <200 VA**OPERATING RANGE:** 0-5000 units or 0-100% or 0-1,000,000 ppm**TEMPERATURE RANGE:** Oven Columns: 60 deg C, Operating: 0 deg – 35 deg**SENSITIVITY:** 10 ppm**ACCURACY:** 10 ppm – Calibration performed with C1 1000pm.**VOLTAGE OUTPUT:** 0-10 volts; 0-1 volt**INTERFACE:** Hydrocarbon peak areas computed by HP 3396 Integrator Chromatograph capable of “remote starting” integrator. Integrator to data acquisition (DLS) PC via RS-232.**CALIBRATION GASES:** Mixed Gas (C1..C5) Contents: C1, C2, C3, iC4, nC4, iC5, nC5

1. C1..nC5 = 0.01%
2. C1..nC5 = 0.1% (standard)
2. C1..nC5 = 1%
3. C1 = 1%; C2..nC5 = 0.1%
4. C1 = 20%; C2..nC5 = 0.1%

APPROVAL:Dept. Supervisor : VICTOR SAETDate: 7th July 2005Technical Committee : ALAN MORRISONDate: 7th July 2005