# PlasmaDetek



# **MULTIDETEK 2**

# GAS CHROMATOGRAPH SYSTEM

With its plug and play philosophy, offering more features than never LDetek push further the possibilities with its new chromatograph system. It provides an attractive and cost effective solution for the industrial and laboratory market. Based on the LDetek high performances Plasma Emission Detector technology, this stand-alone Gas Chromatograph is a flexible and customized platform providing the best solution for any type of gas analysis from ppb to % using argon or helium as carrier gas.

## THE MULTIDETEK 2 SPECIFICATION

DETECTOR TYPE	<ul> <li>Plasma Emission Detector design (PlasmaDetek)</li> </ul>
RANGE	Application dependant
REPEATABILITY	• < 1% full scale
ACCURACY	Better then ± 1% full scale
STANDARD FEATURES	Manual or autoranging (user selectable) Microprocessor controlled Windows XP embedded user friendly interface Ethernet port for remote control Isothermal and/or programmed ramping ovens Electronic flow control regulators for carrier & sample gases 3.4'' LCD large touch screen Self diagnosis system with auto-resolve alarm 4-20 mA isolated outputs Alarm Historic Digital system status output for remote monitoring (dry relay contact) 2 alarms contact High resolution Chromatogram output
OPTIONS	Serial port: RS-232 / 422 / 485 / Profibus for monitoring Integrated compact purifier in the chassis for generating high purity carrier gas Integrated stream selector system Digital input for remote starting Analog inputs for connecting external instruments Remote control for stream selector (LDGSS)
GAS CONNECTIONS	Sample: 1/8" compression fittings or 1/8 VCR     Vent: 1/8" compression fitting
CALIBRATION GAS	Zero: LDP1000 purified gas (Getter)     Span: 70% to 90% of the scale
SAMPLE PRESSURE REQUIREMENTS	• 10 to 30 PSIG
CARRIER PRESSURE REQUIREMENTS	• 100 PSIG
OPERATING TEMPERATURE	• 10°C to 45°C
SUPPLY	• 115 VAC, 50 - 60 Hz or 220 VAC, 50 - 60 Hz
DRIFT	• < ± 1% over 24 hours

# HALOGENATED GASES ANALYSIS HEALTH COAL CHEMICALS PLANT ARGON ROPANE HYDROCARBONS PROCESSING JOST PHOSPHINE NEON SULFUR DIOXIDE PROPYLENE HYDROGEN SULFIDE BEVERAGE ACETAL DEHY DE PHAKINAL PHAKINAL SIS REFINERY ANALYSIS METHYL CHLORIDE PHARMACEUTICAL

- Multi trace impurities in one chassis
- · Multiple configurations available in one
- Based on the PlasmaDetek technology
- Use argon or helium as carrier gas
- Isothermal and/or programmed ramping
- LDetek's electronic mass flow controllers for carrier & sample gas
- . Optional integrated purifier for generating high purity carrier gas in the chassis
- Easy maintenance with its slide out design
- Compact & robust industrial rackmount 6U
- ppb to % application
- Large 8.4" LCD touch screen & user friendly interface
- High performance diaphragm valves
- . Ethernet connectivity for remote control
- . Profibus/Modbus communication protocols
- Data storage software (LDchrom)

## THE MULTIDETEK 2 DIMENSIONS

