

CHROMA^{THC}

Methane and Non-Methane Total Hydrocarbon Analyzer
 Real-time Gas Chromatograph with FID
 Model C21 and C22



**METHANE, NON-METHANE AND UNBURNED HYDROCARBON
 AUTOMATED ISOTHERMAL GAS CHROMATOGRAPH**

APPLICATIONS

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|--------------------|------------------------|
| Industrial Hygiene | Ambient Air Monitoring |
| Process Emissions | Indoor air monitoring |
| Combustion Sources | |

TECHNICAL SPECIFICATIONS

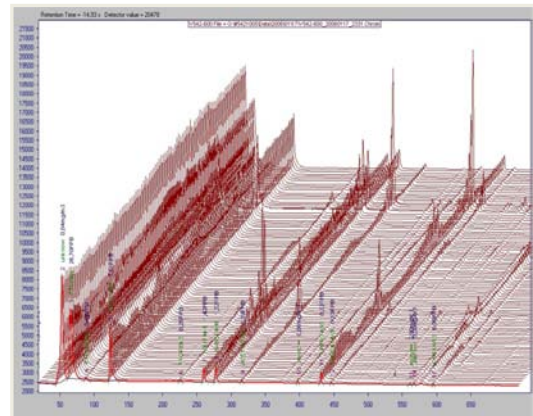
DETECTION RANGE	0-20, 200, 2000 ppm (C21) 30 to 1000 ppb (C22)
LOWER DETECTION LIMIT (LDL)	20 ppb Methane 50 ppb Non-Methane as propane <10ppb Xylene (C22)
RELATIVE STANDARD DEVIATION	<0.3% over 48 hrs (retention time) <2.0% over 48 hrs (concentration)
CYCLE TIME	70 sec (C21) 300 sec (C22)
GAS SUPPLY	HYDROGEN 30ml/min (carrier gas and FID) AIR 180 ml/min (FID)
DETECTOR TEMPERATURE	150°C
POWER SUPPLY	120V OR 24V BATTERY
WEIGHT	44 LBS
DIMENSIONS	19" (W), 7" (H), 24" (D)
OUTPUT	4-20 mA or 0-10V
COMMUNICATION PROTOCOLS	MODBUS, JBUS OR MGS1

PRODUCT DESCRIPTION

- FULLY AUTOMATED GAS CHROMATOGRAPH DEDICATED TO ANALYSIS OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN AIR
- SAMPLE VOLUME SPECIFIC OF THE RANGE OF THE ANALYZER.
- SPLITLESS SAMPLE INJECTION VIA HEATED VALVE
- ABILITY TO ANALYZE FOR UNBURNED HYDROCARBONS (UHC)
- CH₄, C₂H₆ AND NON-METHANE TOTAL HYDROCARBON SEPARATION ACHIEVED USING BACK-FLUSH
- ANALYSIS OF TOTAL HYDROCARBONS: THC or UHC + VOC
- VISTACHROM SOFTWARE ENABLES ADVANCED DATA HANDLING (EX. 2D OR 3D TRENDING)

OPTIONS

- MODBUS OR JBUS COMMUNICATION PROTOCOLS
- ANALOG OUTPUT 4-20mA or 0-10V
- AUTOMATIC DATA VALIDATION
- PURIFIED AIR GENERATOR (VOC FREE)
- BATTERY SUPPLY (24V)
- MULTIPLE STREAM SELECTOR
- HYDROGEN AND NITROGEN GENERATORS
- INTERNAL COMPUTER



Due to American Ecotech's and Chromatotec's continuing program on product improvements, specifications are subject to change without notice