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A flame ionization detector (FID) detects hydrocarbon by ionizing the compound with a hydrogen flame and collecting the resulting electrons. The number of electrons generated is directly proportional to the number of carbons in the hydrocarbon compound. *Paramount* ⁹⁰⁰⁰ **GC-FID** (**P9000F)** integrates our GC with a high sensitivity FID. This unique FID is equipped with a special flame tip and provides sub ppb detection of CH₄, CO₂ and NMHC in UHP process gases.

Unique Features:

User Interface

- Large industrial grade 7" color display
- Intuitive touchscreen operation with virtual keyboard
- 7 days internal data storage
- Instant historical data play back
 on touch screen
- Powerful *P9KChrom* software for advanced control and data analysis
- RS232 serial communication
- Up to 6 analog signal outputs

Control Electronics and Firmware

- On board DSP with proprietary S/N improving algorithm
- S/N improvement with DC power management and noise isolation
- On demand historical data review on touch screen
- Data review does not interfere with continuous sample run
- Sample stream switching for different sample gas types

	18 Sec	CYCLE	VOff = 00	Attn = 05	480 Sec	16:19	
	CH4	0	.0	ррь			STOP
	CO2	0	.0	ppb			снт
	NMHC	0	.0	ppb			
							CONF
							REVW
							REVW
MS	MAIN	CHRO	м со	NTROL	RECORD	ALARN	ı >

GC-FID



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111 15102 144.7 159.7 271.8 Tatal: 110 00 84 CC 275 450 s Device Info (FID) 255 0 275 450 s Column: 51.1 40 0 275 450 s Filme: 51.7 40 0 0 0 Detectors: 51.7 40 0 0 0 Filme: 500 0 0 0 0 0 Detectors: 51.7 6 0 0 0 0 0 Filme: 500 0 0 0 0 0 0 0 0 0 V1 0 <th>Tage Edit View Tage Help Chrom DCOLr Method Calib Peal Chrom Tage CH CO2 Method Source 101 15162 167.3 151.4 275.3 Source <t< th=""><th></th><th>NAGIC Conce Prime Alarma</th><th>) 90.4 wres Area 749639 entration 149.7 5007 e Temp 625.0</th><th>COJ Matrix 160.4 361.2 672400 1415544 153.2 273.9 4445 5160 RunType SINGLE Stream #1</th></t<></th>	Tage Edit View Tage Help Chrom DCOLr Method Calib Peal Chrom Tage CH CO2 Method Source 101 15162 167.3 151.4 275.3 Source Source <t< th=""><th></th><th>NAGIC Conce Prime Alarma</th><th>) 90.4 wres Area 749639 entration 149.7 5007 e Temp 625.0</th><th>COJ Matrix 160.4 361.2 672400 1415544 153.2 273.9 4445 5160 RunType SINGLE Stream #1</th></t<>		NAGIC Conce Prime Alarma) 90.4 wres Area 749639 entration 149.7 5007 e Temp 625.0	COJ Matrix 160.4 361.2 672400 1415544 153.2 273.9 4445 5160 RunType SINGLE Stream #1
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Specifications:

LDL (ppb)

Impurity	Sample Gas				
Impurity	N ₂ , Ar, He	O ₂	H ₂	Air	
CH ₄	<0.2	<0.2	<0.2	<0.2	
CO ₂	<0.2	<0.2	<0.2	N/A	
NMHC	<0.3	<0.3	<0.3	<0.3	

Accuracy: ± LDL or ± 10% of reading, whichever is higher

Range: 0 - 10 ppm

- > Carrier gas: Purified 5N nitrogen
- > FID hydrogen and air: Hydrocarbon free
- > Sample gas flow rate: 25 60 mL/min
- > Analyzer dimensions: 27" L x 17" W x 7" H
- Analyzer weight: 28 lbs

Model Table:

Model	Sample Gas					Voltage	
Model	N_2	O ₂ / Air	H_2	Ar	He	110Vac	220Vac
P9000F	-N	-0	-H	-A	-E	-1	-2

Order Example for N₂ 110 Vac: P9000F-N-1

Options:

- Single point internal dilution system
- Internal sample stream switching system (two streams)

www.performance-corporation.com sales@mail.performance-corporation.com

