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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	o	.0	ррь			STOP
CO2	0	.0	ррь			СНТ
ИМНС	0	.0	ррь			
						CONF
						REVW
MAIN	CURO			RECORD		4

GC-FID



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131 514 7 554,7 754,8 Tail 140 554,7 754,7 Device Info (F2D) 0 225 450 s Detector: 1 60 s 1 Detector: 510 1 1 Detector: 510 1 1 Detector: 5500 1 1 Detector: 5500 1 1 Detector: 0 1 1 V1 0 1 1 1 V2 0 1 1 1	File Color Edit View Tool Help Outom DOOL Method Calb Paal Closentalschweid/Vestlast Statut/Vesu/Dirth/265-15 Dools Paal Closentalschweid/Vestlast Statut/Vesu/Dirth/265-15 Dools Paal 191 Statut Color New Statut/Vesu/Dirth/265-15 Dools 192 Statut Color Statut Statut Statut Statut Statut Paal 193 Statut Statut	APAr Serangs Lipins ComPort : COMS 38460	CORE NAMEHC NAMEHC	CHE) 00.4 wres.Area 240639 entration 149.7 5007 e Temp 625.0 GK	- C × CC02 N#9KC 163.4 361.2 6729809 1435544 151.2 273.9 4445 5109 RunType 52196LE Stream #1 Analysis Index 1
4	111 3542 146.7 352.1 44.7 111 3542 146.7 3542.7 271.4 Tetal: 100 CC 164 CC 27 Detector: 57/ 295 0 Column: 91/ 66 0 Ptame Temp: 1 0 Detec. Vout: 0 000 V1 V2	a 225 a 225 b Offset 2200 Afterwalian 64 PiSpan c 2	450 s Cycli 50 S F-Officet 0 3 C 2		3

Specifications:

LDL (ppb)

Impurity	Sample Gas					
impunty	N ₂ , Ar, He	O ₂	H ₂	Air		
CH ₄	<0.3	<0.3	<0.3	<0.3		
CO ₂	<0.4	<0.4	<0.4	N/A		
NMHC	<0.4	<0.4	<0.4	<0.4		

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: 31 lbs

Model Table:

Model	Sample Gas					Voltage	
	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)

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