Paramount ⁹⁰⁰⁰

GC-PDD

Paramount ⁹⁰⁰⁰ **GC-PDD (P9000P)** is a process gas chromatograph (GC) coupled with a Pulsed Discharge Detector (PDD) specifically engineered for detecting trace level of Ar and N₂ in UHP bulk gases. The core technology of this PDD is a stable helium plasma generated by a low power pulsed DC discharge. While operated in the helium photoionization mode, the PDD is an excellent ppb level GC detector for fixed gases. Every **P9000P** trace gas analyzer also futures a helium purged GC chamber to ensure the excellent sensitivity of PDD is not compromised.

Unique Features:

Paramount

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



0 Sec	SINGLE			13:59	RUN
Ar	0.0	PPb		L	
N2	0.0	ррь			CYCL
				ſ	снт
				L	
					REVW
MS MAIN	CHROM	CONTROL	RECORD	ALARM	

P9KChrom 1023 (PDD FOR He)					– 🗆 ×
File Edit View Tool Help					
Chrom DCOut Method Calib	PeakPar Settings Upload	ComPort : COM3 ~ 38400			·
2020-08-31	Browse				
Time Ar N2			No		N2
2 #1 09:47 0.0 0.0		Ar	Rt	t(s) 195.4	480.0
3 #1 09:58 14898.5 0.0 4 #1 10:01 0.0 0.0			Ме	easures Area 14104634	14200525
4 #1 10:01 0.0 0.0 5 #1 10:25 0.0 0.0				oncentration 14847.0	14947.9
6 #1 10:35 14847.0 14947.9			BE		950
			h ^r		330
			N2		
			L IL		
Total : 6 GO 1 << >					
Device Info (PDD)					
Detector: 104.0 / 105 c OFF		300	600 s		
Column: 60.4 / 60 C OFF	ON #1 #2 #3 #4	Auto Fixed	ycle Single Run Stop		
Dete. Vout: 45000 45000 ZERO	B-Offset 0	Attenuation 2 RtSpan	210 F-Offset 0		
V1		< > <			
		. , , , , , , , , , , , , , , , , , , ,	,		
<					>
Connect : COM3 DEVICE :	: VS-EVMGC V1.00	Alert Status : N/A	C:\Users\atechroc\Desktop\Station 1\P9KChrom	Run Task: N/A	2020-08-31 13:27:10

Specifications:

LDL (ppb)

Impurity	Sample Gas					
Impurity	N 2	Ar	Не	O 2*	H ₂ **	
N2	N/A	0.5	0.5	0.5	0.5	
Ar	0.5	N/A	0.5	0.5	0.5	

* With an oxygen removal system.

** With a hydrogen removal system.

Accuracy: ± 0.5 ppb or ± 10% of reading, whichever is higher

Range: 0 – 10 ppm

- Carrier gas: Purified 5N helium
- > Sample gas flow rate: 25 60 mL/min
- > Analyzer dimensions: 27" L x 17" W x 7" H
- Analyzer weight: 33 lbs

Model Table:

Model	Sample Gas					Voltage	
Model	N ₂	Ar	He	O ₂	H ₂	110Vac	220Vac
P9000P	-N	-A	-E	-0	-H	-1	-2

Order Example for N2 110 Vac: P9000P-N-1

Options:

• Single point internal dilution system

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

