



pGas2000 Family, Specially designed for normal air analysis
pAir2000 Multi-parameters

Portable Air Analyzer

Special Application Configuration for Environ Gas Analysis

Ref: pAir2000IntE

Revision:2004-02-08

- 🔧 Based on CPU Intelligence
- 🔧 Rapid Test
- 🔧 100 frame Data log
- 🔧 LCD 4x16 Display
- 🔧 RS232/485 Communication
- 🔧 Full Function Keypad Operation
- 🔧 Memo Driven Software
- 🔧 User Configured Analyzer

Application

- Ambient or environmental air quality analysis
- Governmental environ supervision
- Environmental research analysis
- Green line production process
- Public air quality monitor
- Relevant gas analysis

Functions

- LCD 4×16 LCD Display
- RS232/RS485 serial port. Supporting STIMcom / Modbus communication
- Printer Installed
- Data store and read out, or output
- Sample pump included, and suitable sample pre-process assembly
- User calibration

Specifications

- Electronic unit: BD4CCD, ADC resolution: 0.025%FS
- Electro-Chemical Sensor drift: $\pm 10\%$ /Year
- Startup time: <5min
- Response time: < 1min with 90% of change
- Sampling pressure: <1.1 kgf/cm²
- Sampling temperature: -10 °C to 50 °C

Environment Requirements:

Environal Humidity:
Operating:0 to 100% RH, non-condensing
Storage:0 to 90% RH, non-condensing



Environmental Temperature Range:
 N:Operating -10 °C to 50 °C
 N:Storage -40 °C to 125 °C

BD4 CCD Analyzer

Environmental Temperature -10 to 60 °C
 Environmental Humidity: 1-99%

Supply: 9V Rechargeable Cell or AC Adapter
 Continuous running time: >24Hr/ each charge;
 Standby time: 7 days
 Package: NEMA1/4/4X, IP10/56

Selective Parameters

Parameters	(A)Type(n)	Range	Temp	repeatability	Life	Offset/month	Information
Temperature		-40-100°C		+/-0.2%	5		SEM
Humidity		0-99%RH	-30-70	+/-2%R		<5%/年	C
Sulfur Dioxide	5 6 7 8 9	0.025-10/100ppm	-20-50	+/-2%R	2	<2%	EC
Hydrogen Sulfide	6 7 8 9	0.1-50/500ppm 0.1-30ppm	-40-50	+/-1%R	2	<-2%	EC
Carbon Monoxide	5 6 7 8 9	0.1-500/1000ppm	-15-40	+/-2%R	3	<5%/年	100ppb/20°C
Nitrogen dioxide(NO ₂)	5 6 7 8 9	0.020-10/100ppm	-10-40	+/-2%R	2	<5%	20ppb/20°C
Nitric oxide (NO)		0.5-100/300ppm	-20-50	+/-2%R	3	<-2%	
Ammonia(NH ₃)	7 8 9	0.5-50/200ppm 1-100ppm	-25-30 -25-30	+/-10%R <10%F	1 2	<-10% <10%	0.5ppm 1ppm
Organic vapor(VOC)		0.1-10000ppm	-20-50	+/-2%	2	<1%	100ppb/20°C
Ozone (O ₃)	5 6 7 8 9	0.01-1ppm	-10-40	+/-5%	2	<4%	10ppb/20° C
Noise		35-130dB	0-40	+/-1	5		Vibration
Floating/Suspended Materials(TSP)	5 6 7 8 9	0.01-100mg/M ³	-10-40	+/-10%R	5		Photometry
Respiratory suspended particles (RSP)/(PM ₁₀)		0.01-100mg/M ³	-10-40	+/-10%R	5		Photometry
Fluoride (F-)		0.2-10ppm	-20-35	<5%F	1		
Fluorine(F ₂)		0.02-1ppm	-10-40	<5%F	1		
Cyanide (CN-)		0.02-30ppm	-40-40	<5%F	2		
Formaldehyde		0.5-100/200ppm	-20-50	<2%	1.5		
B[a]P		0.5-100/200ppm	-20-50	<2%	1.5		
Lead (Pb)							

Floating materials and Suspended materials can not be distinguished by optics. Usually it is average total results.

If order noise sensor, add N to the select code

Selection as: p-Air2000An+N

If any special, please fill the above table and attached to your order.

BigDipper Technochem Institute

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