

## Portable IAQ Monitor



Model : **BABUC A**

### 용도

### Applications

- 실내 및 작업 환경 공기질 측정
- 다중 이용 시설물, 지하 생활 공간 공기질 측정
- 건물 공조 시스템의 성능 평가
- 공기 청정기 및 필터 효율 평가

### 측정항목

- 온도, 습도, 기류, 조도, CO<sub>2</sub>, CO 및 분진 동시 측정
- SO<sub>2</sub>, NO<sub>2</sub>, O<sub>3</sub>, NH<sub>3</sub> 및 건습구 온도(선택사양)
- 산출항목 : 환기율(m<sup>3</sup>/sec), 환기 횟수(n/h), 이슬점, WBGT, 절대 습도

### 특징

### Features

- 64K 기본 메모리로 최대 20,000개까지의 데이터 저장
- LCD 80자의 대형 화면
- 최대·최소치 및 평균값을 자동 연산 및 저장
- 프로그램 사용시 요약 보고서 자동 출력
- 충전용 배터리로 96시간 연속 측정 가능 (Option)
- WBGT, Wall "K" Factor, Operative Temp. 등 Parameter 연산 기능

## SPECIFICATIONS

Parameter / Sensor	Range	Resolution	Accuracy
Temp. & RH Sensor	Temp. : -30 ~ +70 °C RH : 0 ~ 100%	0.06 °C 0.1%	±0.2 °C ±1.5%
Black Globe Sensor	-50 ~ +100 °C	0.1 °C	See tab. 1
Wet Bulb Temperature Sensor	0 ~ 80 °C	0.1 °C	See tab. 1
Hot Wire Anemometric Sensor	0 ~ 45 m/sec	0.01 m/s	±4%
Luxmetric Sensor	0 ~ 25,000 Lux	1 Lux	±2 Lux
Carbon Dioxide (CO <sub>2</sub> ) Sensor	0 ~ 3,000 ppm	1 ppm	±3%
Carbon Monoxide (CO) Sensor	0 ~ 1,000 ppm	0.5 ppm	±1%
Nitrogen Dioxide (NO <sub>2</sub> ) Sensor	0 ~ 20 ppm	0.1 ppm	±2%
Sulphur Dioxide (SO <sub>2</sub> ) Sensor	0 ~ 20 ppm	0.1 ppm	±2%
Ammonia (NH <sub>3</sub> ) Sensor	0 ~ 50 ppm	0.5 ppm	±5%
VOC Sensor	0 ~ 20 ppm or 0 ~ 2,000ppm	0.1 ppm	±5%
Dust	0 ~ 2,500mg/m <sup>3</sup>	0.001 mg/m <sup>3</sup>	±3%
<b>Data Logger / Controller</b>			
Data Output	RS232-DCE		
EEPROM Memory	64 KB (opt.128, 256 KB)		
AD Converter	12 bit		
Clock	HW. rechargeable battery, duration : 1 year		
Display	LCD 80 characters		
Acquisition Rate	Programmable for all types of probes from 2 sec to 24hr		
Duration of Each Acquisition	1 sec		
Keyboard	Alphanumeric with 21 keys		
Power Supply	9Vdc / 6 internal batteries, 1.2V NiCd rechargeable		
Average Power Consumption	5mA (display off)		
Battery Duration (without Powered Sensors)	3days		
Environmental Operating Conditions	0 to 50 °C		
Housing	Anodised aluminum box		
Dimensions / Weight	222×129×41 mm / 1.4kg		

## CONFIGURATIONS

11 Inputs and 64K Memory (20,000 samplers), Power pack	1 set
Temp. & RH Sensor	1 set
Black Globe Sensor	1 set
Wet Bulb Temperature Sensor	1 set
Hot Wire Anemometric Sensor	1 set
Luxmetric Sensor	1 set
Carbon Dioxide (CO <sub>2</sub> ) Sensor	1 set
Carbon Monoxide (CO) Sensor	1 set
Nitrogen Dioxide (NO <sub>2</sub> ) Sensor	1 set
Sulphur Dioxide (SO <sub>2</sub> ) Sensor	1 set
Ammonia (NH <sub>3</sub> ) Sensor	1 set
VOC Sensor	1 set
Dust Sensor	1 set

## OPTIONAL ACCESSORIES

Tripod	1 set
Stand for BABUC/A and/or Probes on Tripod	1 set
Serial cable 9F for BABUC-PC RS232 Serial Port Connection(L=4m)	1 set
Shockproof, Air Tight Carrying Case	1 set
InfoGAP-ADVANCED PC Program	1 set
External rechargeable battery unit	1 set