

Blood Ammonia Meter



# PocketChem™ BA

PA-4130

LABORATORIES

## A NEW MEANS FOR MEASURING BLOOD AMMONIA LEVEL — Anytime / Anywhere / Effort-free —

PocketChem™ BA is a device for measuring blood ammonia level, and a new addition to the PocketChem™ series.

Eliminating precesses such as centrifugal separation, this device enables immediate testing, and delivers results in about 3 minutes 20 seconds. In emergency treatment, in hospitals, pediatric sections, ICUs, etc., PocketChem™ BA shows its strength in differential diagnosis of unconscious or incoherent patients, diabetes, hepatic disease, and more. The future of emergency testing is in fast and compact, palm-sized devices.



ARKRAY, Inc.

## Blood Ammonia Meter

# PocketChem™ BA PA-4130

All the functions needed for measuring blood ammonia level, loaded into a compact unit weighing only 230g.

### 1 Compact body

The Analyzer itself weighs only 230g (with dry batteries). This palm-sized Analyzer can be used wherever it is needed.

### 2 Easy operation

All you have to do is collect a blood sample with the attached pipetter, drop it on to the reagent, and press START.



### 3 Small sample

Required amount for measurement is only 20  $\mu$ L. No special collecting tube is necessary (a blood cell counting tube can be used).

### 4 Whole blood measurement

Pretreatment such as centrifugal separation is not required. Immediate testing is possible with a minimum number of steps.

### 5 Battery-driven

Operates on dry batteries for mobile testing. An AC adapter (optional) is also connectable.

Analyzer specifications	
Sample	Whole blood
Measurement item	Blood ammonia
Measurement range	10~400N- $\mu$ g/dL (8~285 $\mu$ mol/L)
Measurement principle	Test strip, single wavelength reflection measurement method
Measurement wavelength	Single wavelength (635nm)
Light source	LED
Sample amount	20 $\mu$ L
Sample supply	Dropping method by pipetter
Test strip	Ammonia Test Kit II
Reaction time	Approx. 3 minutes 20 seconds / test
Warm-up time	1~2 minutes
Display	LCD
Operator panel	Panel sheet (numeric and function keys, 12 keys in total)
Memory capacity	50 measurements
External output	USB I/F, RS232C



### 6 High precision

The exclusive test strip "Ammonia Test Kit II", adopting dry chemistry based on a micro-diffusion method, provides reliable measurement results.



### 7 Separate-type printer

A printer (optional) can be easily attached and detached, making the unit highly portable.



\*The AC adapter (optional) is needed when using the printer.

### 8 Display units

Display units can be simply alternated between N-  $\mu$ g/dL and  $\mu$ mol/L.

### 9 Temperature compensation

A built-in temperature sensor automatically compensates for temperature in the range of 10~35°C.

Analyzer specifications	
Temperature compensation	Automatic compensation by a built-in temperature sensor
Measurement conditions	Temperature : 10~35°C Humidity : 25~85% (relative humidity)
Dimensions	125(W) $\times$ 87(D) $\times$ 31(H)mm
Weight	Approx. 230g (with batteries)
Power supply	AA-sized dry battery $\times$ 2 or AC adapter (optional)

  

Printer specifications	
Printer	36-digit line thermal printer
Printer paper	High-level coloring thermal paper (58mm(W) $\times$ 26mm)
Dimensions	125(W) $\times$ 150(D) $\times$ 45(H)mm
Weight	Approx. 300g
Power supply	AC adapter (optional)
Consumed electricity	Approx. 20VA
System connection with Analyzer	One-touch connection (simple lock function)
Power connection with Analyzer	Contact connection (power, RS-232C)

Design and specifications may be subject to change without notice.

ARKRAY, Inc.

KYOTO MIYUKI Bldg. 10F, 689 Takanna-cho,  
Nakagyo-ku, Kyoto 604-8153, JAPAN  
TEL.: +81-75-662-8967, FAX: +81-75-662-8973,  
<http://www.arkray.co.jp/english>

