

ERMA

# PCE-210

Full Automatic Blood Cell Counter

全自動血球計数装置



CE



**ERMA INC.**  
TOKYO JAPAN



# PCE-210

- The newest touch screen system realizes easy & simple operation. A large back-lighting LED makes the screen clear and easy to read.
- Quick processing for measurement data of 18 items including 3 differentials of WBC and for 3 items of histogram only by small volume of sample suction.

## Features

### 1. SIMPLE OPERATION, QUICK MEASUREMENT

Measurement operation completes just by setting a sample to the nozzle and pressing START key. Measurement of 18 parameters and histograms are quickly processed within 60 sec.

### 2. AUTOMATIC NOZZLE CLEANING FUNCTION

The sampling nozzle is cleaned automatically after sample suction. Free from touching blood directly. No contagion and no error by manual wiping.

### 3. ALL SETTING BY TOUCH SCREEN

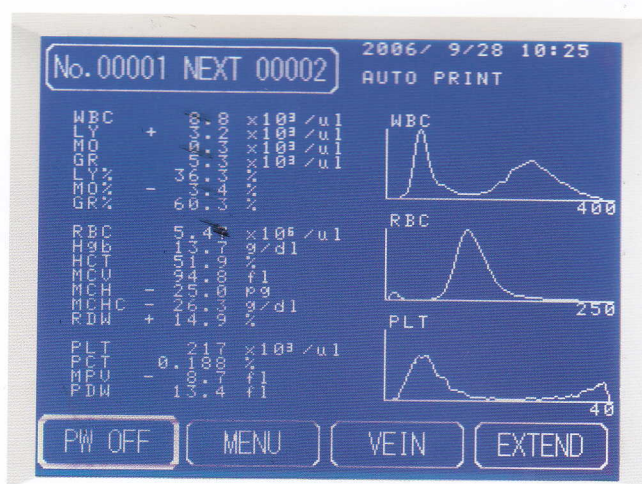
Simple touch screen operation makes all the function settings such as initialization, measurement conditions, and automatic liquid circuit cleaning fast & easy.

### 4. BUILT-IN SELF MONITORING SYSTEM

Reliable performance with maintenance control is guaranteed by a self-monitoring system that prevents clogging in the detector and checks liquid circuit condition & measurement values.

### 5. REASONABLE PRICE & COST REDUCTION

Rational design for interior including liquid circuit enables a lower price & cut in running cost, keeping excellent specification such as the newest display.



Data  
測定結果



Very easy to set printing paper  
ワンタッチでプリント用紙をセットできます。



## PCE-210 SPECIFICATION

MEASURING ITEMS	
WBC	Number of white blood cells
LYM	Number & rate of lymphocyte
MID	Number & rate of mid-range cells
GRA	Number & rate of granulocyte
RBC	Number of red blood cells
HGB	Hemoglobin conc.
HCT	Hematocrit rate
MCV	Mean corpuscular volume
MCH	Mean corpuscular hemoglobin
MCHC	Mean corpuscular hemoglobin conc.
RDW	RBC distribution width
PLT	Number of platelet
MPV	Mean platelet volume
PDW	Platelet distribution width
PCT	Plateletcrit value
SAMPLE VOLUME	
10 $\mu$ l, 20 $\mu$ l	
MEASUREMENT TIME	
60 samples/hour	
Data Storage	
1000 sample data with histogram	
REPRODUCIBILITY	
WBC	within CV3.0%
RBC	within CV2.0%
HGB	within CV1.5%
HCT	within CV2.0%
MCV	within CV1.5%
MCH	within CV2.0%
MCHC	within CV2.0%
PLT	within CV5.0%
PCT	within CV5.0%
MPV	within CV5.0%
PDW	within CV5.0%
MEASUREMENT PRINCIPLES	
Blood cell	Electric resistance
HGB	Colorimetry
PRINTER	
Thermal dot	
DISPLAY	
LED display	
POWER SUPPLY	
AC 100V/220V $\pm$ 10%	
POWER CONSUMPTION	
180VA	
DIMENSIONS	
330mmW $\times$ 380mmD $\times$ 449mmH	
WEIGHT	
19.5 kg	

## STANDARD ACCESSORIES

1 pcs.	Connecting tube for Diluent Solution
1 box	Diluent Solution, 5L
1 pc.	Connecting tube for Cleaning Solution
1 bottle	Cleaning Solution M-6, 2L
1 bottle	Cleaning Solution C, 40ml
1 bottle	Hemolysis reagent, 500ml
1 set	Waste liquid Bottle with sensor
2 pcs.	Spare fuse
1 roll	Thermal printing paper
1 pc.	Power cable
3 pcs.	Roller pump tube
1 copy	Instruction manual

\* Specifications subject to change without notice.

## PCE-210 仕様

測定項目	
WBC	白血球数
LYM	リンパ球及び%
MID	中球性細胞及び%
GRA	顆粒球及び%
RBC	赤血球数
HGB	ヘモグロビン濃度
HCT	ヘマトクリット%
MCV	平均赤血球容積
MCH	平均赤血球血色素量
MCHC	平均赤血球血色素濃度
RDW	赤血球分布幅
PLT	血小板数
MPV	平均血小板容積
PDW	血小板分布幅
PCT	血小板クリット
検体量	
10 $\mu$ l, 20 $\mu$ l	
測定時間	
60 検体/時間	
記憶検体数	
1000検体 (ヒストグラム付き)	
再現性	
WBC	CV3.0% 以内
RBC	CV2.0% 以内
HGB	CV1.5% 以内
HCT	CV2.0% 以内
MCV	CV1.5% 以内
MCH	CV2.0% 以内
MCHC	CV2.0% 以内
PLT	CV5.0% 以内
PCT	CV5.0% 以内
MPV	CV5.0% 以内
PDW	CV5.0% 以内
測定方法	
血球系	電気抵抗方式
HGB	比色方式
プリンタ	
サーマルドット	
表示	
LEDディスプレイ	
電源	
AC 100V/220V $\pm$ 10%	
消費電力	
180VA	
寸法	
330mmW $\times$ 380mmD $\times$ 449mmH	
重量	
19.5 kg	

## 付属品

1	希釈液接続用チューブ
1	希釈液
1	洗浄液接続用チューブ
1	洗浄液 M-6
1	洗浄液 C
1	溶血剤
1	廃液ビン
2	ヒューズ
1	記録紙
1	電源コード
3	ローラーポンプチューブ
1	取扱説明書



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