

Blood Gas / Electrolytes Analyzer

PKL PPC 80800 Blood Gas/Electrolyte

Model name & test items

PKL PPC-80800A (pH/pCO₂/pO₂)
PKL PPC-80800B (pH/pCO₂/pO₂/Hct/K⁺/Na⁺/Cl⁻)
PKL PPC-80800C (pH/pCO₂/pO₂/Hct/K⁺/Na⁺/Cl⁻/Ca²⁺)
PKL PPC-80800AQ (pH/pCO₂/pO₂+AUTO QC MODULE)
PKL PPC-80800BQ (pH/pCO₂/pO₂/Hct/K⁺/Na⁺/Cl⁻+AUTO QC MODULE)
PKL PPC-80800CQ (pH/pCO₂/pO₂/Hct/K⁺/Na⁺/Cl⁻/Ca²⁺+ AUTO QC MODULE)

Features

- Sample : Whole blood, Serum, Plasma, Dialysate, CSF
- Input Parameters : Patient Temperature.Hemoglobin.FiO₂,B.P.
- Analysis Time : < 90S
- Sample Volume : 95ul (whole blood),35ul (capillary blood)
- Calibration : Automatic, Programmable, One-point and Two-point
- Data Storage : More than 10000 Results
- Display : 10.4" TFT Touch Screen
- Battery : Lead Acid Battery,2.3Ah
- Printer : Build In Thermal Printer,70mm
- Barcode Reader : Up to 14 Kinds Barcode Type
- Interface : Serial Line RS-232 - TCP/IP Interface - USB Port - Integrated Bar-code Reader
- Working Temperature : 15°C – 30°C
- Storage Environment : 5°C – 45°C
- Power Supply :100-240V - 50/60Hz
- Package Size : 800*680*640 mm
- Gross Weight : 50KG



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- 10.4" TFT Touch Screen
- Infrared human-dector
- Auto QC Cartridge
- Easy to use ,fast data Input
- Cost-saving standby mode
- Rich data management
- Flexible and simple calibrants cartridge
- Friendly operation Interface

Measured Parameters

The table below describes the measuring parameters and the measuring range of this analyzer:

Parameters	Units	Measuring range	Resolution
pH		6.000~9.000	0.001
pCO ₂	kPa mmHg	(1.07~26.67)kPa (8.0~200.0)mmHg	0.01kPa 0.1mmHg
pO ₂	kPa mmHg	(0~106.7)kPa (0~800.0)mmHg	0.01kPa 0.1mmHg
Sodium ion(Na ⁺)	mmol/L mg/dL	(20.0~200.0)mmol/L (46.0~459.9)mg/dL	0.1mmol/L 0.1mg/dL
Potassium ion(K ⁺)	mmol/L mg/dL	(0.50~15.00)mmol/L (1.96~58.65)mg/dL	0.01mmol/L 0.01mg/dL
Calcium ion (Ca ²⁺)	mmol/L mg/dL	(0.10~5.00)mmol/L (0.40~20.04)mg/dL	0.01mmol/L 0.01mg/dL
Chloride ion(Cl ⁻)	mmol/L mg/dL	(20.0~200.0)mmol/L (70.9~709.1)mg/dL	0.1mmol/L 0.1mg/dL
Hct	%	(12~65)%	0.1%
B.P.	kPa mmHg	(66.70~106.67)kPa (500~800)mmHg	0.01kPa 0.1mmHg

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Calculated parameters

The table below describes the calculated parameters which would be used by this analyzer:

Parameters	Units	Reference range	Resolution
HCO ₃ ⁻	mmol/L	(21.40~27.30) mmol/L	0.01mmol/L
TCO ₂	mmol/L	(23.00~27.00) mmol/L	0.01mmol/L
BEb	mmol/L	(-3.00~3.00) mmol/L	0.01mmol/L
SBC	mmol/L	(21.30~24.70) mmol/L	0.01mmol/L
BEecf	mmol/L	(-3.00~3.00) mmol/L	0.01mmol/L
sO ₂	%	(91.90~99.00)%	0.01%
P50	kPa mmHg	(3.20~3.73)kPa (24.0~28.0)mmHg	0.01kPa 0.1mmHg
A-aDO ₂	kPa mmHg	(0.80~2.00)kPa (6.0~15.0)mmHg	0.01kPa 0.1mmHg
RI	—	0.10~0.37	0.01
AG	mmol/L	(8.00~16.00) mmol/L	0.01mmol/L
tHb	g/L	(110.00~160.00) g/L	0.01g/L

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