

With auto-sampler type



Without auto-sampler type

Measurement sample	Whole blood, Serum, Plasma, Diluted Urine, Hemo-Dialysis Solution A (Acid Concentrates), Solution B(Bicarbonate), Solution A+B Balanced					
Measurement	Selectable from the following types. (※1) : pH measurement needs temperature control unit ① Na^+, K^+ ② Na^+, K^+, Cl^- ③ Na^+, K^+, Ca^{2+} ④ Na^+, K^+, pH (※1) ⑤Na^+, K^+, Cl^-, Ca^{2+} ⑥ Na^+, K^+, Cl^-, pH (※1) ⑦ Na^+, K^+, Ca^{2+} , pH (※1) ⑧Na^+, Cl^-,K^+, Ca^{2+} , pH (※1)					
Calculated item	Corrected Ca2+ at 37°C in the temperature control unit					
Measurement Range	Whole blood, Serum, Plasma	Urine	Hemo-Dialysis Solution A+B Balanced	Hemo-Dialysis Solution A	Hemo-Dialysis Solution B	
Na^+ mmol/L	70.0 ～ 200.0	10 ～ 500	130.0 ～ 150.0	100.0 ～ 120.0	20.0 ～ 40.0	
K^+ mmol/L	1.00 ～ 20.00	1.0 ～ 200.0	1.00 ～ 3.00	1.00 ～ 3.00	—	
Cl^- mmol/L	70.0 ～ 200.0	10 ～ 550	100.0 ～ 120.0	100.0 ～ 120.0	—	
Ca^{2+} mmol/L	0.50 ～ 3.00	—	0.50 ～ 3.00	0.50 ～ 3.00	—	
pH	7.00 ～ 8.00	—	—	—	—	
Measurement conditions	Whole blood, Serum, Plasma : pH = 7.0 ～ 8.0 (*in the condition of no change during measurement) Dialysis Solution : Please measure within the time of use described in the package insert of your dialysates					
Sample volume	Whole blood, Serum, Plasma : 100 μL Hemo-dialysis Solution : 300 μL					
Measurement speed	①Without temperature control unit : 35 seconds/sample ②With temperature control unit : 60 seconds/sample					
Calibration	Two-point automatic calibration (interval is adjustable)					
Auto sampler	Available to set 20 samples (※If you choose With auto-sampler type)					
Power	AC 90～260 V、1.2～0.5 A、47～63 Hz (AC adopter)					
Dimensions	Body : 27 (W) × 34.5 (D) × 36.5 (H) cm ,Approx. 8 kg AC adopter : 14.6 (W) × 7.6 (D) × 4.3 (H) cm ,Approx. 0.5 kg					
Others	**On-line connection** : RS232C, available to out put by CSV **Data memory** : 10,000 patients data **Thermal printer** : built-in **Barcode reader** : option **Display** : color TFT-LCD, **Touch panel** : resistance film type					

●Specification is subject to change.

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JOKOH

Electrolyte Analyzer

IoNEX



Customize IoNEX to meet your needs.

IoNEX can measure Ca2 + and pH more accurately by the temperature control function (* 1) of the electrode part.

(* 1) The temperature control function is available when the temperature control unit is selected.



Control temperature

to make measurement more stable and accurate.

- The pH required to calculate the corrected Ca2 + is an item that is particularly affected by temperature.
- By controlling the temperature of the electrode part, more accurate and stable calculation of the corrected Ca2 + value becomes possible.

Relationship between blood Ca and pH

- Ca in the blood is divided into an ionized group and a group bound to proteins, etc., and the ionization ratio changes depending on the pH .
- The corrected Ca2 + value is calculated by measuring the pH at the same time.
- Other newly developed high sensitive electrodes also allow only one time calibration in a day to obtain very accurate result of C.V.≦0.5%, as well.

The screen is large and easy to press and can be operated with gloves.



Uses a touch panel color LCD

- The screen has excellent visibility, and you can see the device status and measurement mode at a glance.
- A large screen has been adopted for ease of use. Since it is a resistive film type, it can be operated even with gloves on.

The electrode set can be selected from 8 combinations.

① Na^+,K^+
② Na^+,K^+,Cl^-
③ Na^+,K^+,Ca^{2+}
④ Na^+,K^+,pH
⑤ Na^+, K^+,Cl^-,Ca^{2+}
⑥ Na^+,K^+,Cl^-,pH
⑦ Na^+,K^+, Ca^{2+},pH
⑧ Na^+,K^+,Cl^- , Ca^{2+},pH

Supports measurement of 3 types of dialysate

- Since it has 3 dialysis modes, it is possible to measure 3 types of dialysate as standard.
- In addition, it has multiple measurement modes such as blood mode and Urine mode.



Traceable and more accurate measurement is possible by using ampoule calibration solution together.

Common reference standard substance for dialysate measurement (JCCRM300) Traceable

- JOKOH has a lineup of multiple ampoule calibration solutions for dialysate according to the measurement target.
- By calibrating according to the application, an optimized calibration curve is created and more accurate measurement is possible.

