

Specifications

Specimen	Whole blood, Serum, Plasma, Dialysate					
Test available (measured)	Item	Measurement range	710	720	730	735
			710aqc	720aqc	730aqc	735aqc
	pH	6.000 - 8.000	●	●	●	●
	pCO ₂	10.0 - 200.0 Torr	●	●	●	●
	pO ₂	5.0 - 713.0 Torr	●	●	●	●
	cNa ⁺	50.0 - 200.0 mmol/L		●	●	●
	cK ⁺	1.00 - 20.00 mmol/L		●	●	●
	cCl ⁻	50.0 - 200.0 mmol/L		●	●	●
	cCa ²⁺ (iCa)	0.5 - 5.0 mmol/L		●	●	●
	cGlucose	20 - 500 mg/dL			●	●
	cLactate	0.4 - 15.0 mmol/L			●	●
	ctBil	2.0 - 60.0 mg/dL				●
	cHb	2.0 - 23.0 g/dL	●	●	●	
	ctHb	2.0 - 23.0 g/dL				●
	sO ₂	0.0 - 100.0 %				●
	FO ₂ Hb	0.0 - 100.0 %				●
	FCOHb	0.0 - 100.0 %				●
	FMetHb	0.0 - 100.0 %				●
	FHHb	0.0 - 100.0 %				●
Test available (calculated)	pH(T)		●	●	●	●
	pCO ₂ (T)		●	●	●	●
	pO ₂ (T)		●	●	●	●
	cHCO ₃ act		●	●	●	●
	cHCO ₃ std		●	●	●	●
	cBE(ect)		●	●	●	●
	cBE(B)		●	●	●	●
	cBB		●	●	●	●
	ctCO ₂ (P)		●	●	●	●
	ctCO ₂ (B)		●	●	●	●
	sO ₂ (est)		●	●	●	●
	BO ₂		●	●	●	●
	p50		●	●	●	●
	p50(T)		●	●	●	●
	p50(st)		●	●	●	●
	pO ₂ /FI ₂ O ₂		●	●	●	●
	pO ₂ (A)		●	●	●	●
	pO ₂ (A)(T)		●	●	●	●
	pO ₂ (A-a)		●	●	●	●
	pO ₂ (A-a)(T)		●	●	●	●
	pO ₂ (a/A)		●	●	●	●
	pO ₂ (a/A)(T)		●	●	●	●
	RI		●	●	●	●
	RI(T)		●	●	●	●
	ctO ₂ (a)		●	●	●	●
	ctO ₂ (B)		●	●	●	●
	ctO ₂ (v)		●	●	●	●
	ctO ₂ (a-v)		●	●	●	●
	ctO ₂ [(a-v)/a]		●	●	●	●
	Hct		●	●	●	●
	AG			●	●	●
	AG(K)			●	●	●
	cCa ²⁺ (7.4)(ciCa (7.4))			●	●	●
Sample volume	Model		Syringe		Capillary	
	GASTAT-710/720(aqc)		195μL		80μL	
	GASTAT-730/735(aqc)		195μL		100μL	
	Micro Mode (All model)		40μL			
Analysis time (from press measurement button to result appears on the display)	GASTAT-710/720(aqc)		About 60 seconds			
	GASTAT-730(aqc)		About 70 seconds			
	GASTAT-735(aqc)		About 90 seconds			
	GASTAT-710/720(aqc)		About 120 seconds			
Cycle time (measurement sample + flush cleaning)	GASTAT-730(aqc)		About 190 - 265 seconds (Time varies depending on Glc/Lac concentration in blood)			
	GASTAT-735(aqc)		About 260 - 340 seconds (Time varies depending on Glc/Lac concentration in blood)			
Display	Color LCD display / Touch panel					
Entered parameter	Patient ID, Patient temp, Sample type, FiO ₂ , Height, Weight, Sex, Age					
Calibration	Automatic, programmable 1 and 2 point calibration					
Reagent, waste volume detection	Automatic integrate detection method					
Data storage	10,000 samples					
Printer	Line thermal					
Interface	TCP/IP					
Barcode reader	Built-in (12 kinds of barcode are available)					
Operating temperature	10 - 30 °C					
Humidity	20 - 80%					
Power	AC 85 - 264V 50/60Hz 240W Built-in battery					
Dimensions	400 (W) - 575 (D) - 635 (H) mm					
Weight	28 kg					

Note: Specification may change without prior notice.

Manufacturer

Techno Medica Co., Ltd.

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Distributor

Techno Medica

Blood Gas System

GASTAT-700Model

Made in Japan products guarantee platinum quality



8 models cover the various requirements of critical care

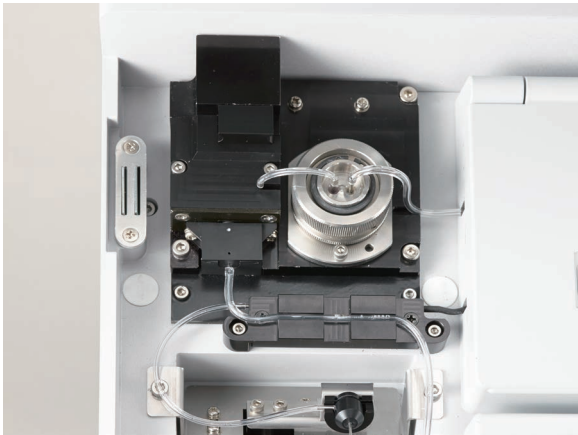
	710	720	730	735	710 aqc	720 aqc	730 aqc	735 aqc
pH, pCO ₂ pO ₂ , cHb	●	●	●	●	●	●	●	●
cNa ⁺ , cK ⁺ cCl ⁻ , cCa ²⁺	—	●	●	●	—	●	●	●
cGlucose cLactate	—	—	●	●	—	—	●	●
CO-Oximetry	—	—	—	●	—	—	—	●
AutoQC	—	—	—	—	●	●	●	●

GASTAT-700Model

Features



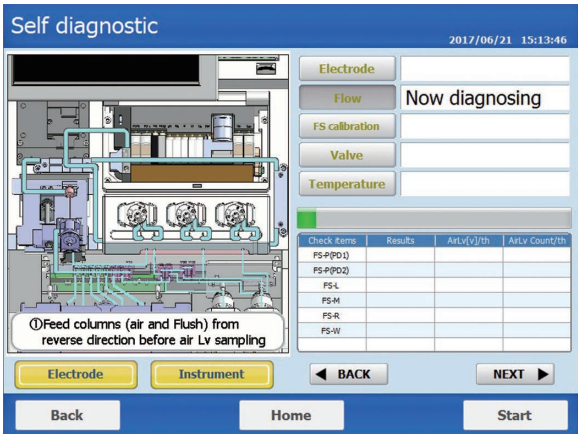
- ▶ The 12 inch color touch panel conveniently displays easy-to follow guidance for every operation
- ▶ Delivers results in 60 seconds *
*Model GASTAT-710/720
- ▶ Acid-base graph available
- ▶ Throw-in-type printer realizes easy paper roll replacement
- ▶ Save mode reduces reagent consumption during less sample time and operating cost
- ▶ Automatic Quality Control conveniently guarantees accuracy of test results
- ▶ Built-in PC functionality for intercommunicate without using external PC
- ▶ Built-in battery enables 30 minutes stable operation or 5 samples analysis under power failure



New Parameter ctBil

Newly developed ultrasonic hemolysis method delivers accurate sample results to newly added bilirubin & CO-Oxy parameters *

*Model GASTAT-735/735aqc



Smart Self-diagnostic Function

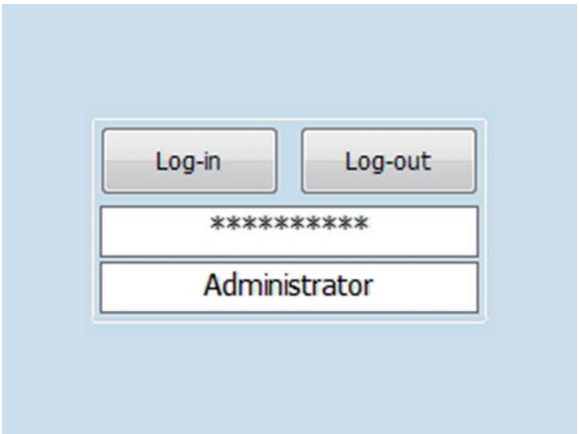
Smart and informative self-diagnostic function provides various kinds of instrument status information, which is useful for quick troubleshooting and minimizes instrument downtime in case of error.



Super Long Lifetime Glc/Lac Electrode

On-board lifetime of glucose / lactate electrode is 3 months, which realizes super low running cost. No membrane replacement and no inner solution refill are required.

*Model GASTAT-730/730aqc/735/735aqc



Operator Lock Function

The system accepts unlimited number of User ID with 3 different privilege levels, which refrains unauthorized / untrained personnel from accessing the system.

Easy 2 steps operation



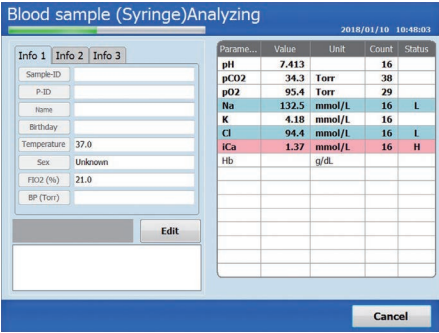
STEP 1

Mount either syringe or capillary on the sample inlet.



STEP 2

Select sample type and then press Analysis icon.



Test results are reported on both display and paper print out.



Minimize Infection Risk

Fully automatic hands free sampling function greatly reduces risk of infection.



Easy to use, Easy to maintain

Pump head (tube) can be replaced by a few touches only. Workload for consumable replacement can be greatly reduced.