Specifications

Specimen	Whole blood, Serum, Plusma, Dialysate				
Test available (measured)	Item	Measurement range	710 / 710aqc	720 / 720aqc	730 / 730aqc	735 / 735aqc

Item	Measurement range	710 / 710aqc	720 / 720aqc	730 / 730aqc	735 / 735aqc
pH	6.000 - 8.000	●	●	●	●
pCO_2	10.0 - 200.0 Torr	●	●	●	●
pO_2	5.0 - 760.0 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 - 1200 mg/dL			●	●
cLactate	0.4 - 30.0 mmol/L			●	●
ctBil	0.0 - 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_2Hb	0.0 - 100.0 %				●
FCOHb	0.0 - 100.0 %				●
FMetHb	0.0 - 100.0 %				●
FHHb	0.0 - 100.0 %				●

Test available (calculated)	710 / 710aqc	720 / 720aqc	730 / 730aqc	735 / 735aqc
pH(T)	●	●	●	●
pCO_2(T)	●	●	●	●
pO_2(T)	●	●	●	●
$cHCO_3$ act	●	●	●	●
$cHCO_3$ std	●	●	●	●
cBE(ecf)	●	●	●	●
cBE(B)	●	●	●	●
cBB	●	●	●	●
$ctCO_2$(P)	●	●	●	●
$ctCO_2$(B)	●	●	●	●
sO_2(est)	●	●	●	●
BO_2	●	●	●	●
p50	●	●	●	●
p50(T)	●	●	●	●
p50(st)	●	●	●	●
pO_2/FiO_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)	195 μL	80 μL
	GASTAT-730/735(aqc)	195 μL	100 μL
	Micro Mode (All model)	40 μL	

Analysis time	GASTAT-710/720(aqc)	About 60 seconds
(from press measurement button to result appears on	GASTAT-730(aqc)	About 70 seconds
the display)	GASTAT-735(aqc)	About 85 seconds
Cycle time	GASTAT-710/720(aqc)	About 120 seconds
(measurement sample + flush cleaning)	GASTAT-730(aqc)	About 190 - 265 seconds (Time varies depending on Glc/Lac concentration in blood)
	GASTAT-735(aqc)	About 210 - 290 seconds (Time varies depending on Glc/Lac concentration in blood)

Display	Color LCD display / Touch panel
Entered parameter	Patient ID, Patient temp, Sample type, FiO₂, Height, Weight, Sex, Age
Calibration	Automatic, programmable 1 and 2 point calibration
Reagent, waste volume detection	Automatic integrade 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.

Distributor

VER1 Published January 2018

Techno Medica

Blood Gas System

GASTAT-700Model
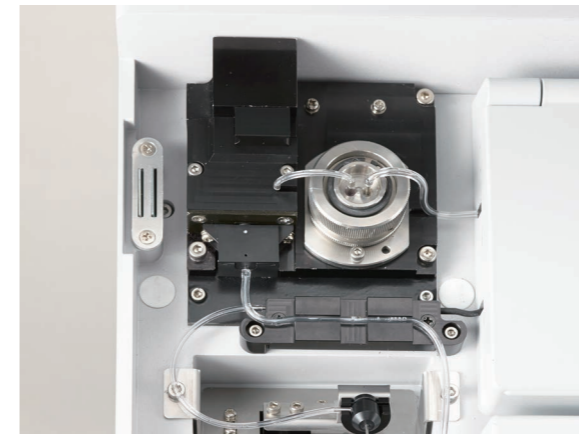
Made in Japan products guarantee platinum quality

8 models cover the various requirements of critical care

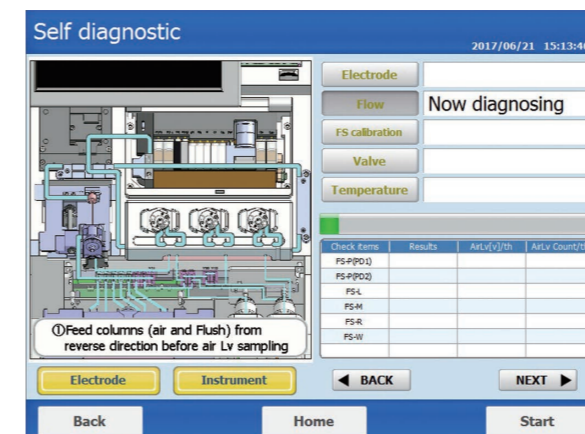|	710	720	730	735	710 aqc	720 aqc	730 aqc	735 aqc
pH, pCO_2 pO_2, cHb	●	●	●	●	●	●	●	●
cNa^+, cK^+ cCl^-, cCa^{2+}	–	●	●	●	–	●	●	●
cGlucose cLactate	–	–	●	●	–	–	●	●
CO-Oximetry	–	–	–	●	–	–	–	●
AutoQC	–	–	–	–	●	●	●	●

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
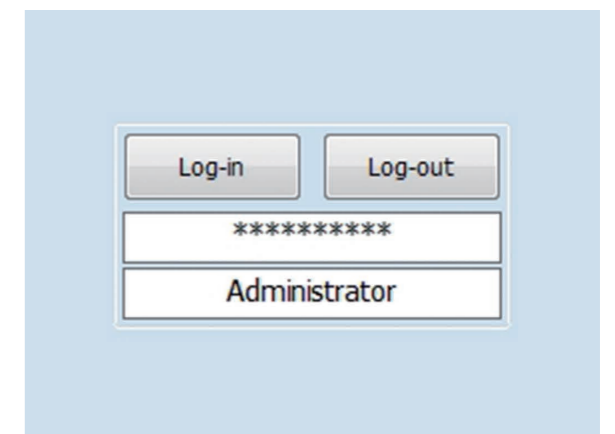
Smart Self-diagnostic Function

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
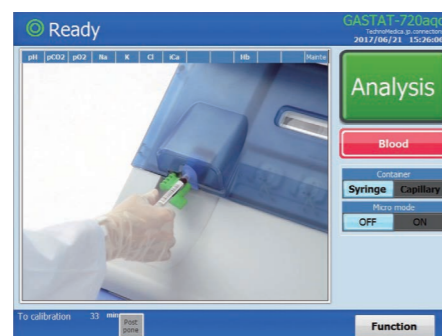
Operator Lock Function

The system accepts unlimited number of User ID with 3 different privilege levels, which refrains unauthorized / untrained personnel from accessing the system.
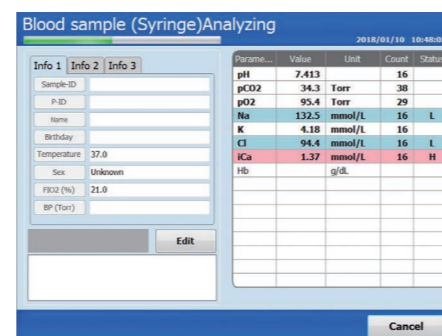
Easy 2 steps operation

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.