

Handheld Blood Gas Analyzer

GASTAT-navi

安全と信頼を凝縮した
手のひら検査室。

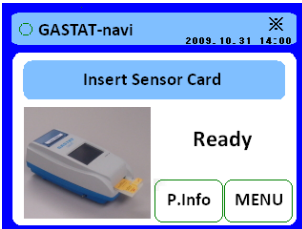
pH
pCO₂
pO₂
Hct
Na
K
Ca



Easy Operation

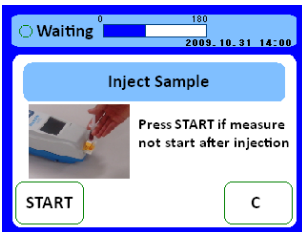
Multifunctional in handheld size
Pursue easy operation and safeness

Automatic pre-heating function enables usage at cold place



Device automatically warm ups the sensor card to be used at cold place.

User-friendly Color touch panel LCD display



Touch-sensitive color LCD display realizes easy operation.

Easy loading of thermal printer paper roll



You will find how easy loading of thermal printer paper roll is due to drop-in type printer!



3 step operation by anybody, in anytime and anyplace



STEP 1
INSERT

Insert sensor card to the inlet.



STEP 2
INJECTION

Inject blood sample to injection inlet.

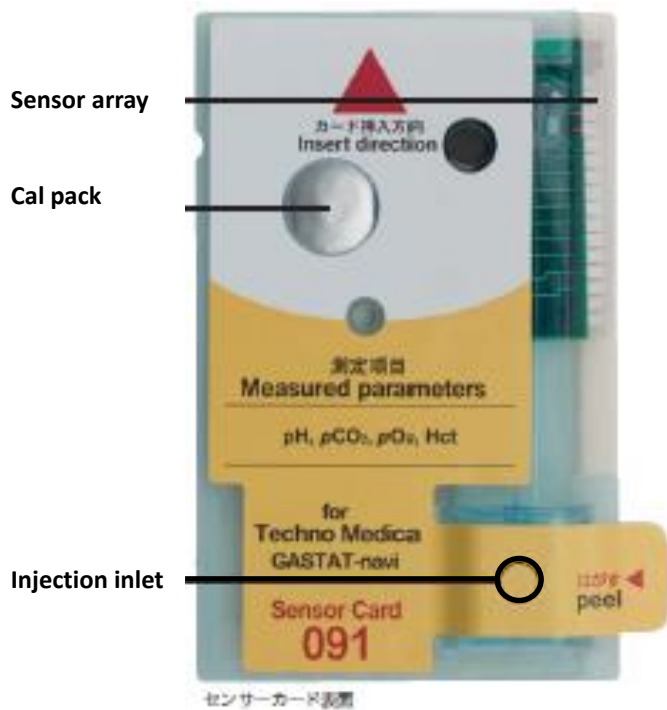


STEP 3
ANALYSIS

Test result is reported both on display and printing in 45 seconds.

High Quality

Developed new Sensor card with high quality and long life



Direct syringe injection

Test result is never affected from the room air as syringe can be directly mounted on injection inlet.

Long life

Shelf life is 2 months in room temp or 1 year in refrigerator.

Traceability

By using QR code on the sensor card, lot-to-lot differences can be automatically correlated by the software whenever the card is used.



Speedy analysis

Only 45sec for measurement time leads rapid diagnostics.

3 kinds of single use sensor cards for different test



Test available	Sensor card 091	Sensor card 092	Sensor card 093
pH	•	•	•
pCO2	•	•	•
pO2	•	•	
cNa+		•	•
cK+		•	•
cCa2+			•
Hct	•	•	•

Specifications

Sample type	Whole blood, Aqueous solution	
Measured parameters	pH	6.000 - 8.000
	pCO ₂	10.0 - 200.0 Torr
	pO ₂	5.0 - 760.0 Torr
	cNa ⁺	100.0 - 180.0 mmol/L
	cK ⁺	1.0 - 9.0 mmol/L
	cCa ²⁺	0.25 - 2.50 mmol/L
	Hct	15 - 65%
Calculated parameters	HCO ₃ , TCO ₂ , BE, Hb, O ₂ SA, O ₂ CT, BB, SBE, SBC, AaDO ₂ , RI, cCa	
Sample volume	200µL	
Analysis time	165 seconds (120 seconds calibration + 45 seconds analysis)	
Calibration	1 point calibration before each sample analysis	
Display	Color touch LCD	
Printer	20digit 56mm thermal	
Data Archive	1000 results	
Interface	USB, RS232C	
Sensor card shelf life	2 months in room temp or 1 year in refrigerator	
Operational Environment	Temperature: 15- 30 deg C / Humidity: 30-80%	
Size	Body: 120(W) - 250(D) -96(H) mm	
	Sensor card: 85.6(W) - 54.0(D) - 8.5(H) mm	
Power	100 - 220V / battery	
Weight	1.4 kg	

The specification might be changed without notice.



TMC Techno Medica