## **RAPIDLab 1200 Blood Gas Analyzer**

# Designed to Meet Your High Volume Needs



#### siemens.com/rapidlab1200

**System Description** 

High throughput blood gas analyzer

System Menu

 $\begin{array}{lll} \mathsf{pH} & & \mathsf{CI} \\ \mathsf{pCO}_2 & & \mathsf{Glucose} \\ \mathsf{pO}_2 & & \mathsf{Lactate} \end{array}$ 

Na\* Neonatal Total Bilirubin K\* CO-oximetry

 $Ca^{++}$ 

**Parameter Specifications** 

Analyte	Units	Reporting Range	
рН		6.000-8.000	
pCO <sub>2</sub>	mmHg kPa	5.0–250.0 0.67–33.33	
pO <sub>2</sub>	mmHg kPa	0.0-800.0 0.00-106.67	
Na <sup>+</sup>	mmol/L	70.0-200.0	
K <sup>+</sup>	mmol/L	0.50-20.00	
Ca++	mmol/L mg/dL	0.25-5.00 1.0-20.0	
CI-	mmol/L	40.0-160.0	
Glucose	mmol/L mg/dL	0.6-55.4 10.0-998.0	
Lactate	mmol/L mg/dL	0.00-30.00 0.0-270.2	
Neonatal Total Bilirubin	μmol/L mg/dL	34.0–1026.0 2.0–60.0	

**CO-oximetry Parameter Specifications** 

Analyte	Units	Reporting Range
tHb	g/dL g/L mmol/L	2.0-25.0 20-250 1.2-15.5
sO <sub>2</sub>	%	15–100
FO <sub>2</sub> Hb	%	0–100
FHHb	%	0–100
FCOHb	%	0–100
FMetHb	%	0-100

**Calculated Parameters** 

HCO₃¯act  $ctO_{2}([a-\overline{v}]/a)$ HCO₃¯std ĊΟ<sub>2</sub> ctCO<sub>2</sub> ĎΟ<sub>2</sub> BE(B) Hct  $BO_2(O_2CAP)$ BE(ecf) Ca<sup>++</sup> (7.4)  $ctO_2(Hb)$ AnGap pH(T) p50 H+(T) ctO<sub>2</sub>(a)  $pCO_2(T)$  $ctO_2(v)$  $pO_2(T)$  $ctO_2(\overline{v})$  $pO_2(A-a)(T)$ O<sub>2</sub>SAT(est)  $pO_2(a/A)(T)$ pO<sub>2</sub>/FIO<sub>2</sub> RI(T) Ċsp/Ċt(T) O<sub>2</sub>CT(est)  $\dot{Q}sp/\dot{Q}t(T)$  (est)  $ctO_2(a-\overline{v})$ 



**Patient** Sample Demographics Demographics Patient ID Location Physician ID Last Name First Name Draw Date Draw Time Sex Date of Birth **Accession Number** Operator ID Temperature tHb  $F_1O_2$ Flow Respiratory Rate

**Model Description** 

RAPIDLab® 1240 System: pH, Blood Gas
RAPIDLab 1245 System: pH, Blood Gas, CO-oximetry, nBili
RAPIDLab 1260 System: pH, Blood Gas, Electrolytes,

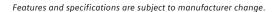
Metabolites

RAPIDLab 1265 System: pH, Blood Gas,

Electrolytes, Metabolites, CO-oximetry,

nBili







## **RAPIDLab 1200 Blood Gas Analyzer Specifications**

#### Sample Type

Heparinized whole blood, syringe, and capillary

#### **Time to Results**

Approximately 60 seconds

#### Reagent Cartridge Use Life

30 days

#### Calibration

One point every 30 minutes to a maximum of 60 minutes; full calibration every 8 hours

#### **Quality Control**

Automatic Quality Control (AQC) cartridge; ampuled QC; customizable QC schedule

#### **System Dimensions**

W/D/H: 53.5 cm (21.0 in.)/58.5 cm

(23.0 in.)/61.0 cm (24.0 in.)

Weight: 29.5 kg (65.0 lb)

#### **External Interfaces**

USB (three ports), RS232 port, bar-code scanner port, RJ10/100 Base T Ethernet port

#### **System Security**

McAfee Embedded Control, firewall, verified system connection, encrypted patient data transfer via USB

#### Communication

RAPIDComm® Data Management System

LIS/HIS

**Dual-port transmission** 

#### **Power Requirements**

Rating: 150 VA Voltage: 100–240 VAC Freq: 50/60 Hz

#### **Environmental Requirements**

emp: 15–32°C

Humidity: 5–90% noncondensing Barometric Pressure: 523–800 mmHg (69.7–106.7 kPa)

#### Safety

TUV-listed to IEC/EN 61010, 61010-2-101, 61010-2-081, CB Test Certificate, certified to CSA and UL

EN 60601-1-2:2001 Group 1 Equipment, Class B for non-life supporting equipment FCC 47 CFR Part 15 Class B emissions requirements



RAPIDLab 1200 system screen



Measurement chamber

#### Sample Size: Capillary (Minimum)

Mode	RAPIDLab 1240 system	RAPIDLab 1245 system	RAPIDLab 1260 system	RAPIDLab 1265 system
pH Only	35 µL	35 μL	95 μL	95 μL
CO-oximetry Only	-	100 μL	_	100 μL
Full Menu	90 μL	140 µL	125 μL	175 μL

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### Siemens Healthineers Headquarters

Siemens Healthcare GmbH Henkestr. 127 91052 Erlangen, Germany

Phone: +49 9131 84-0 siemens-healthineers.com

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Siemens Healthcare Diagnostics Inc.
Point of Care Diagnostics
2 Edgewater Drive

Norwood, MA 02062-4637

USA

Phone: +1 781-269-3000