

## RAPIDLab® 348EX Blood Gas System

# Run critical care tests reliably and economically in low-volume settings



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### System Description

Critical care blood gas analyzer

### System Menu

pH	K <sup>+</sup>
pCO <sub>2</sub>	Ca <sup>++</sup>
pO <sub>2</sub>	Cl <sup>-</sup>
Na <sup>+</sup>	Hct

### Parameter Specifications

Analyte	Units	Reporting Range
pH		6.001–8.000
pCO <sub>2</sub>	mmHg	5.0–250.0
pO <sub>2</sub>	mmHg	0.0–749.0
Na <sup>+</sup>	mmol/L	80.0–200.0
K <sup>+</sup>	mmol/L	0.50–9.99
Ca <sup>++</sup>	mmol/L	0.20–5.00
Cl <sup>-</sup>	mmol/L	40.0–160.0
Hct	%	12–75

### Calculated Parameters

Analyte	Units	Reporting Range
O <sub>2</sub> SAT(est)	%	0.0–100.0
O <sub>2</sub> CT(est)	mL/dL	0.0–40.0
HCO <sub>3</sub> <sup>-</sup> act	mmol/L	0.0–60.0
HCO <sub>3</sub> <sup>-</sup> std	mmol/L	0.0–60.0
ctCO <sub>2</sub>	mmol/L	0.0–60.0
BE(B)	mmol/L	-29.9–29.9
BE(ecf)	mmol/L	-29.9–29.9
pO <sub>2</sub> (A-a)	mmHg	0.0–749.0
pO <sub>2</sub> (a/A)	mmHg	0.00–1.00
pO <sub>2</sub> /FIO <sub>2</sub>	mmHg	0.00–5.00
Ca <sup>++</sup> (7.4)	mmol/L	0.20–5.00
AnGap	mmol/L	-60.0–60.0
pH(T)	pH	6.001–8.000
H <sup>+</sup> (T)	nmol/L	10.0–997.0
pCO <sub>2</sub> (T)	mmHg	5.0–250.0
pO <sub>2</sub> (T)	mmHg	0.0–749.0
pO <sub>2</sub> (A-a)(T)	mmHg	0.0–749.0
pO <sub>2</sub> (a/A) (T)	mmHg	0.00–1.00
ctHb (est)	g/dL	2.0–25.0

\*Available for sale only in select countries.

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# RAPIDLab 348EX Blood Gas System Specifications

## Sample Volume

Syringe:	95 µL
Capillary:	95 µL
Microsample:	50 µL

## Sample Type

Whole blood, dialysate fluid

## Time to Results

Approximately 60 seconds

## Calibration

Automatic or on demand

## Input Parameters

Temp:	10.0°C–43.9°C
Hemoglobin:	2.0–25.0 g/dL
F <sub>I</sub> O <sub>2</sub>	15.0%–100.0%
Patient/Operator IDs	Up to 16 characters (alphanumeric)
Sample Location	Radial, brachial, femoral, cord, arterial line (with RAPIDComm® Data Management System)

## Display

Interface Intuitive, icon-based color touch screen

## System Dimensions

Dimensions (without bar-code scanner)	H: 38.2 cm (15.0 in.) W: 38.5 cm (15.2 in.) D: 35.3 cm (13.9 in.) Weight: 9.4 kg (20.7 lb)
Dimensions (with bar-code scanner)	H: 38.2 cm (15.0 in.) W: 50.0 cm (19.6 in.) D: 35.3 cm (13.9 in.) Weight: 9.8 kg (21.6 lb)

## Power Requirements

Voltage:	100–240 VAC
Freq:	50/60 Hz

## Environmental Requirements

Temp:	15–32°C
Humidity:	5–85% noncondensing
Barometric Pressure:	400–825 mmHg



## EMC

UL, CSA, IEC, EN-61010, CE Marked with full CB Scheme and all National Deviations. Complies with the IVD directive

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