

Simplicity, Efficiency and Value for Blood Gas Testing



Sample Volume

RAPIDPoint 350 Analyzer	Syringe	120 µL
	Capillary	95 µL
RAPIDPoint 340 Analyzer	Syringe	100 µL
	Capillary	75 µL

Sample Type

Whole Blood
Dialysate Fluid*

Analysis Time

RAPIDPoint 350 Analyzer	<120 seconds
RAPIDPoint 340 Analyzer	125 seconds

Calibration

Automatic or on-demand

RAPIDPoint 350 Analyzer

Analyte	Units	Range of Operation
pH		6.500 – 8.000
pCO ₂	mmHg	5.0 – 150.0
pO ₂	mmHg	5 – 700
Na ⁺	mmol/L	80 – 200
K ⁺	mmol/L	1.0 – 20.0
Ca ⁺⁺	mmol/L	0.25 – 5.00
Cl ⁻	mmol/L	50.0 – 150.0
Hct	%	10 – 70

RAPIDPoint 340 Analyzer

Analyte	Units	Range of Operation
pH		6.900 – 7.900
pCO ₂	mmHg	8.0 – 150.0
pO ₂	mmHg	10 – 700

Input Parameters

Patient Temperature	
RAPIDPoint 350	20°C – 45°C
RAPIDPoint 340	5°C – 45°C
Time Drawn	00:00
Hemoglobin	3.0 – 30.0 g/dL
FIO ₂	10% – 100%
Patient/Operator ID	14 digits each
Sample Source	Arterial, mixed venous, venous
Sample Location	Radial, brachial, femoral, arterial line, cord

Calculated Parameters

Parameter	Units	Reporting Range
tHb	g/dL	3.3 – 23.3
pH(T)	pH	6.500 – 8.000
pCO ₂ (T)	mmHg	5.0 – 150.0
pO ₂ (T)	mmHg	5 – 700
TCO ₂	mmol/L	0 – 50
HCO ₃ ⁻	mmol/L	0 – 50
BE _b	mmol/L	-25.0 – 25.0
BE _{ecf}	mmol/L	-25.0 – 25.0
sO _{2c}	%	15.0 – 100
SBC	mmol/L	0 – 50
ctO ₂	mL/dL	3.0 – 30.0
A-aDO ₂	mmHg	0 – 700
RI		0.0 – 70.0
Ca ⁺⁺ (7.4)		
(Ca ⁺⁺ mode)	mmol/L	0.22 – 5.58
Anion gap		
(Cl ⁻ mode)	mEq/L	10 – 75

System Size and Weight

W/D/H:	37.0 cm (14.5 in.) / 18 cm (7.0 in.) / 32.0 cm (12.5 in.)
Weight: (including reagent cartridge)	
RAPIDPoint 350	7.7 kg. (17 lbs.)
RAPIDPoint 340	7.3 kg. (16 lbs.)

Power Requirements

Voltage:	100/115 VAC, 50 – 60 Hz
	220 VAC
Power:	150 VA

Environmental

Temperature:	15°C to 30°C (59°F to 86°F)
Humidity:	5% – 85%, non-condensing
Barometric Pressure:	500 – 800 mmHg

External Interfaces

RS-232, ASTM Protocol
Barcode Scanner

Data Storage

64 patient results with Operator ID, Patient ID, date and time
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Approvals

IEC 60601-1-2: 2007 3 rd Edition

* In development.

RAPIDPoint® 340/350 Blood Gas Analyzers Product Specifications

Answers for life.

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