



pH
pCO₂
pO₂
Hct
cK⁺
cNa⁺
cCa²⁺
cCl⁻

ABL80 FLEX - Basic version
Achieve speed and simplicity at
the point of care



Benefits of the Basic version of the ABL80 FLEX

Simple to use

- Easy to perform sample analysis
- Simple steps to replace consumables
- Automated entry and logging of consumables enabled via smart chips
- 5 minutes start-up time after change of sensor cassettes

Small and portable

- Small footprint 22 x 28 cm (9 x 11 in) – fits everywhere
- Weighs only 8.5 kg (19 lbs) – hand-portable or with rolling stand

Fully operational on battery

- Run patient samples on battery power
- Functions during sporadic, temporary power outages

Easy documentation with full connectivity

- Ethernet network connection
- All common communication protocols
- Data backup with read/write CD drive and USB ports

Safe, fast and reliable measurements

- Sample volume only 70 μ L
- Flexible parameter panels and multiple test volumes
- Less than 115 seconds from result to result
- Standard Radiometer quality measurements

Test menu

pH | $p\text{CO}_2$ | $p\text{O}_2$ | Hct | cK^+ | cNa^+ | cCa^{2+} | cCl^-





Effective multiple-test consumables

- Always ready to measure patient samples
- Consumables handled only at installation every two months

Intuitive touch screen

- Intuitive user interface
- Adjustable screen
- Configurable interface for custom profiles
- Parameter bar provides analyzer status at a glance
- Multimedia tutorials

Cost-saving Standby Mode

- Conserves calibration solution to reduce expenses
- Easy entry and exit from Standby
- Option to schedule use of Standby

Fast and accurate data input

- Integrated barcode reader
- Scans patient samples and user IDs
- Saves time and reduces errors from data entry

Easily managed logistics

- Four month shelf life of consumables
- Room temperature storage (up to 25 °C / 77 °F)
- Multiple versions of cassettes to support broad range of use

ABL80 FLEX - BASIC version

Specifications



Measured parameters

Type	Parameter	Units	Measuring range	Cassette type	
				Full panel	BG/Hct
pH	pH		6.00-8.00	x	x
Blood Gas	pCO ₂	mmHg	0-150	x	x
		kPa	0.0-20.0		
	pO ₂	mmHg	0-760	x	x
		kPa	0.0-101.3		
Hematocrit	Hct	%	0-85	x	x
Electrolytes	cCa ²⁺	mmol/L	0.00-5.00	x	
		mEq/L	0.00-10.00		
		mg/dL	0.00-20.00		
	cCl ⁻	mmol/L	0-250	x	
		mEq/L	0-250		
	cK ⁺	mmol/L	0.0-20.0	x	
		mEq/L	0.0-20.0		
	cNa ⁺	mmol/L	0-210	x	
mEq/L		0-210			

Consumables

Sensor cassette	
Sample volume	~ 70 µL
Cycle time	~ 100 - 115 sec
Shelf life	120 days
Storage temperature	5-25 °C/41-77 °F

Derived parameters

cHCO ₃ (P)	ctCO ₂ (P)	sO ₂
cBase(B)	ctCO ₂ (B)	ctHb
cBase(B,ox)	cCa ²⁺ (7.40)	pO ₂ (A)
cBase(Ecf)	Anion Gap (K ⁺)	pO ₂ (a/A)
cBase(Ecf,ox)	Anion Gap	pO ₂ (A-a)
cHCO ₃ (P,st)	ctO ₂	RI

Model available in both	SC80	SC80	SC80	SC80	SC80	SC80	SC80	SC80
Full Panel & BG/Hct	25/60	50/60	100/60	200/60	300/60	300/30	300/15	600/15
Patient tests	25	50	100	200	300	300	300	600
In-use days	60	60	60	60	60	30	15	15
Tests per day	0.4	0.8	1.7	3.3	5	10	20	40

Solution Pack

In-use life	Up to 60 days maximum, dependent on number of patient and QC samples and frequency of calibration. Standby Mode available to conserve calibration solution and maximize in-use life.	
Shelf life	150 days	
	Solution 1	Solution 2
Fluidic cycles	450	110
Storage temperature	5-25 °C/41-77 °F	

Calibration data	Default interval	Interval options	Duration
Automatic: 1-point cal	With measurement	-	-
Automatic: 2-point cal	8 hours	Every 2, 4 or 8 hours or manual	2 min.

Hardware

Computer specifications

Microsoft Windows® XP Embedded operating system
Minimum 1 GB hard drive
ETX single board CPU
Minimum 512 MB EDO-RAM
CD R/RW drive

Printer

Optional custom header:
25 characters max per line
Thermal sensitive
Paper width: 80mm ± 1.10

Interface

Barcode reader
Serial line RS232
RJ45 Ethernet port
2 USB 1.1
PS2 keyboard

Software

Correlation correction

Standard correlation mode:
For whole blood; all parameters available
Other fluids mode:
For all parameters except Hct
Hemodilution mode:
For the Hct parameter only

Data capacity

Patient results	500
Manual QC results	500
2-point cal. results	500
Event records	1500
Security records	1500
User IDs	Unlimited

Additional information

Dimensions

Width	22 cm	9 in
Height	40 cm	16 in
Depth	28 cm	11 in
Weight	8.5 kg	19 lbs

Display

Full visual graphic array (VGA)
Full active Thin Film Transistor (TFT)
800 x 600 resolution
Resistive touch screen

Communication

HIS/LIS Communication

High-level protocols:
ASTM (E1394-97)
ASTM 6xx
HL7 (Version 2.2/2.5)
Low-level Serial protocols:
ASTM (E1381-95)
Low-level Network protocols:
TCP/IP

RADIANCE communication

Interface via Ethernet adapter

Printer display options

Autoprint (on/off)
Select derived parameters
Five lines for custom header
Temperature corrected results
QC ranges with results
Select input variables
Reference ranges with results
Analyzer name (user-defined)
Edit log

Security and QA features

Seven programmable user-access levels
Unlimited User ID and access-level verification
Automatic lockout of parameter that fails QC or option to
inactivate individual sensors for failed calibration
QC statistics and on-board Levey-Jennings plots
Air-in-sample detection
Mandatory input fields

Other

Start-up time	After sensor cassette change: ~ 5 min
Operating environment	12-28 °C/54-82 °F
Altitude	2290 m/7513 feet above sea level
Power	100-240 VAC, 50/60 Hz, 130 VA
Thermostat control	37.0 °C ± 0.2 within 10 sec



لاب ماركت

- مستلزمات معملية
- كيمائيات
- أجهزة
- صيانة

LAB Market

01096411333

بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدى