

# ABL80 FLEX

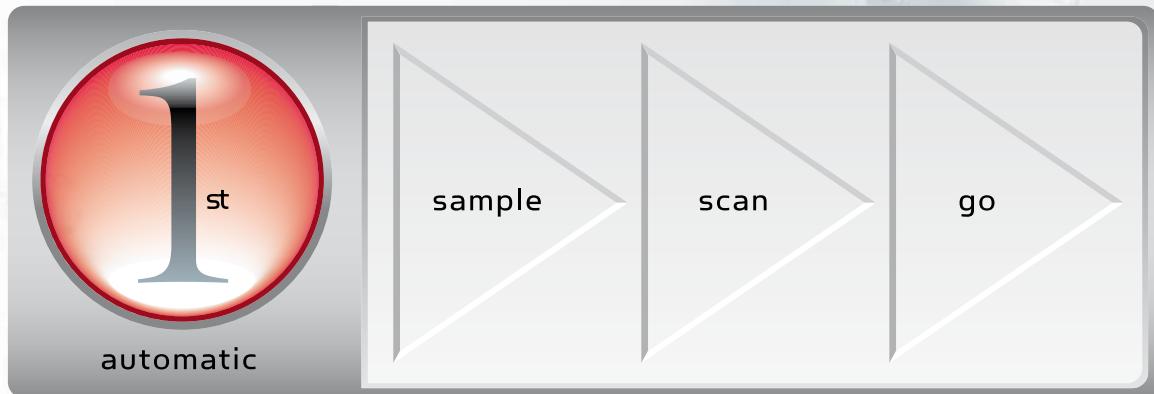


SIMPLY DEDICATED

RADIOMETER  
COPENHAGEN 

# ABL80 FLEX

## Automate blood gas testing at the point of care



As part of Radiometer's 1st automatic blood gas system, the ABL80 FLEX blood gas analyzer provides safety and speed from sample order to delivery of results.

Using prebarcoded safePICO samplers and FLEXLINK\* software, the ABL80 FLEX increases safety by ensuring accurate sample and patient identification.

A portable automated mixing device ensures fast and complete mixing prior to analysis. Results are reported to wherever needed: the lab, the patient's bedside monitor or the doctor's PDA.



## Sample

### safePICO:

#### Easy and safe sampling

- Prebarcoded syringe works with FLEXLINK to ensure accurate patient and sample ID match
- Integrated mixing ball ensures fast and complete sample mixing
- Needle shield device allows easy and safe removal of needles
- Vented *safeTIPCAP* ensures quick and safe removal of air bubbles, minimizing the risk of blood contact



## Scan

### FLEXLINK software:

#### Seamless data capture and reporting

- Links together operator, sample and patient IDs
- Accurately captures ordering and sample information at the bedside
- Automates sample identification on the ABL80 FLEX
- Sends results from the ABL80 FLEX to wherever needed



## Go

### ABL80 FLEX and safePICO Mixer:

#### Simplifying processes – safe and fast

- Automated mixing reduces preanalytical errors and saves time
- Aspiration through vented *safeTIPCAP* and uniform mixing ensure sample integrity
- After aspiration of the sample, results will automatically be sent to wherever they are needed



# ABL80 FLEX

## Speed and simplicity

### Small and portable

- Small footprint 9 x 11 in (22 x 28 cm) – fits everywhere
- Weighs only 19 lbs (8.5 kg) – carry it or move it on a rolling stand
- Fully operational on battery

### Simple to use

- Customizable user interface – Windows XP operating system
- Aspiration through *safeTIPCAP* is fast and minimizes the risk of contact with blood
- Automated entry and logging of consumables enabled via smart chips
- Simple and fast replacement of consumables
- Start-up time ~ 8 minutes after change of sensor cassettes

### Easy documentation with full connectivity

- Ethernet or wireless\* network connection
- All common communication protocols, including POCT1-A\*
- Data backup with read/write CD drive and USB ports

### Safe, fast and reliable measurements

- Sample volume only 70  $\mu\text{L}$  (all parameters except oximetry)
- High-quality glucose measurements
- Oximetry measurements using 128 wavelengths\*
- Flexible parameter panels and multiple test volumes
- Only 100 seconds from result to result



pH

$p\text{CO}_2$

$p\text{O}_2$

$c\text{Na}^+$

$c\text{K}^+$

$c\text{Ca}^{2+}$

$c\text{Cl}^-$

$c\text{Glu}$

Hct



### Intuitive touch screen

- Configurable interface for custom profiles

### Fast and accurate data input

- Integrated barcode reader
- Supports automatic sample identification via FLEXLINK\*

### Automated quality control: QC<sup>3</sup>

- Aqueous measurements on three levels covering a broad portion of the reportable range (low, normal, high)
- Continual system checks
- Levey-Jennings plots



### Automated sample mixing

- safePICO Mixer mixes a sample in just 7 seconds
- safePICO Mixer reduces preanalytical errors and saves time

ctHb\*

sO<sub>2</sub>\*

FCOHb\*

FO<sub>2</sub>Hb\*

FMetHb\*

FHHb\*

FHbF\*

# ABL80 FLEX

## Meeting the needs at the point of care

### Safety and speed

#### Securing safe operation and treatment

As part of 1st automatic, the ABL80 FLEX works with *safePICO* samplers and FLEXLINK software to ensure accurate patient-sample match, preserve sample integrity and protect the operator from needle stick injury.

#### No time wasted

In just 100 seconds, the ABL80 FLEX delivers accurate results and is ready for the next sample. Depending on the setup, calibrations and quality control take as little as 12 minutes a day, bringing analyzer uptime and testing readiness well beyond industry standards.



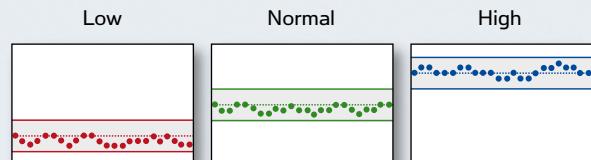
### Simplicity

#### Easy to use

The large color touch screen and customizable software make the ABL80 FLEX easy to use. Smart chips simplify the exchange of the solution pack and sensor cassette. Analyzer-controlled aspiration of samples ensures standardized sample introduction every time.

#### Automatic quality control

The comprehensive QC<sup>3</sup> system provides aqueous measurements on three levels of solutions. In addition, system checks are performed continually and automatic corrective actions occur if necessary. QC<sup>3</sup> allows for full control of results and eliminates manual QC steps.



Staying in control with QC<sup>3</sup>: Measurements on three aqueous levels tracked in traditional format



## Flexibility

### Fully mobile

Lightweight and fully operational on battery, you can carry, place and use the ABL80 FLEX anywhere. Results can be automatically sent to the LIS/HIS via a wireless network connection.

### Fits multiple applications

The ABL80 FLEX comes in a variety of configurations. Sensor cassettes are available in several parameter panels and test volumes, matching the needs of different testing sites.

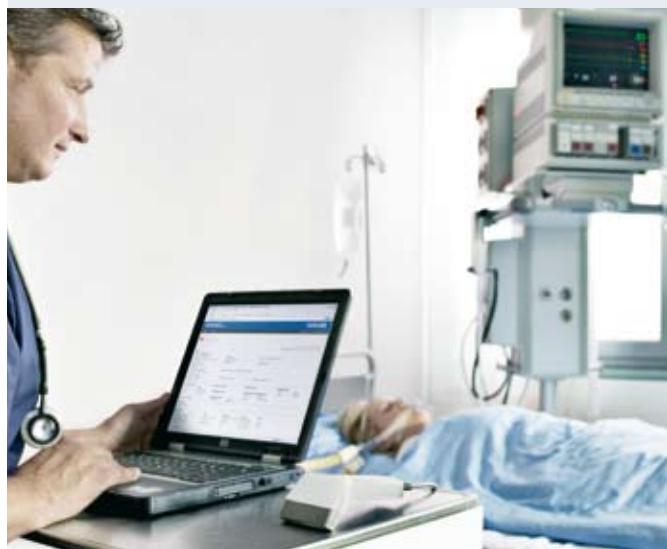
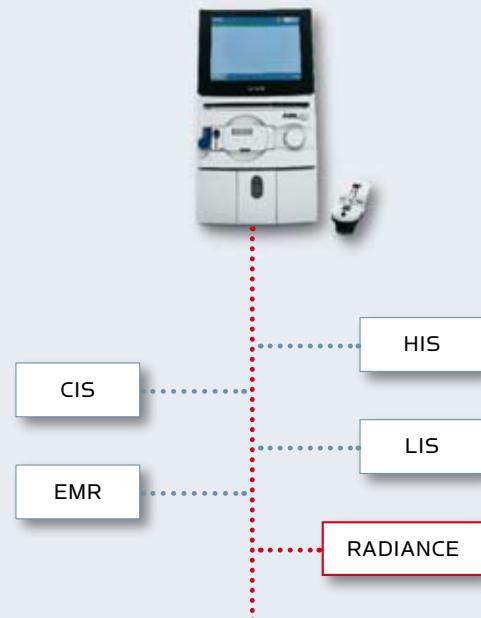


## Connectivity

### Seamless IT integration

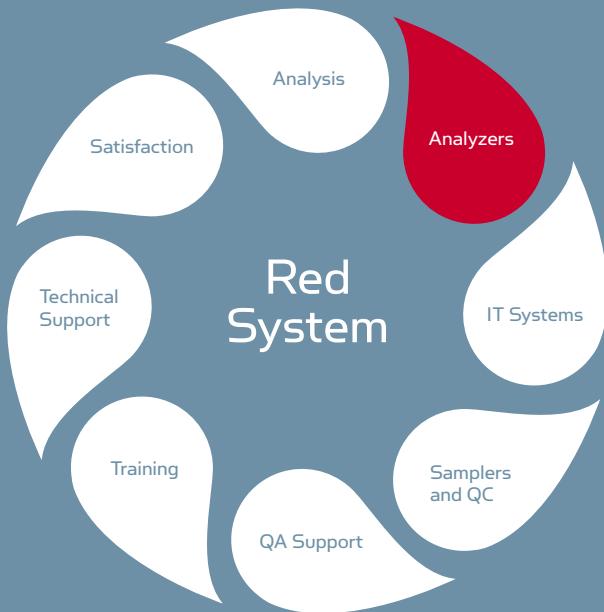
Wireless integration options offer flexibility. Extensive automatic lockout options, password controls and remote monitoring of the system provide better control of testing performed at the point of care.

The ABL80 FLEX offers full connectivity and is compatible with 1st automatic, FLEXLINK and RADIANCE.



For more information about Radiometer, our products and services, visit [www.radiometer.com](http://www.radiometer.com).

Read how hospitals around the world are optimizing their blood gas testing. Visit Radiometer's knowledge site [www.bloodgas.org](http://www.bloodgas.org).



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