

# The **ABL80 FLEX** analyzer series



Sensible, scalable  
blood gas analyzer solutions

# Analyzers designed to meet *your* diagnostic needs

## Scalability and renowned Radiometer quality

From primary care clinics to full-service hospitals, the ABL80 FLEX series of cassette-based blood gas analyzers can meet every need elegantly, efficiently, and economically. Not only do they feature the outstanding quality and the low cost of ownership that have become Radiometer hallmarks, these state-of-the-art portable analyzers also provide unprecedented flexibility. You get the diagnostic capabilities and test capacities that best fit your acute care requirements.

## Meeting your acute care requirements

For many smaller clinics and hospital departments, the BASIC version of the ABL80 FLEX analyzer offers a cost-effective way to improve patient treatment with minimal investment.

For larger clinics and hospitals, the ABL80 FLEX and the ABL80 FLEX CO-OX units provide quality, reliability, and comprehensive benchtop features. For added flexibility, its sensor cassettes are available with a variety of parameter panels and test volumes that let you perform from 25 up to 600 tests.

## Portability and flexibility

With a footprint smaller than a sheet of typing paper, you can take the ABL80 FLEX series of analyzers anywhere. That means a single analyzer can be used in several departments. And with this kind of flexibility, coupled with our optional automatic quality control system (available for most models), next-generation care is now a reality throughout every hospital, large or small.





ABL80  
PLEX

radiometer  
PICO MINI



# Small footprint, big capabilities

## Common denominators

### User interface

Large color touch screen for simple operation

### Customizable set-up

Customizable interface profiles and manager control settings

### Portable size

8.5 kgs (19 lbs)

### Battery option

Fully operational on battery in case of power outages

### IT connectivity

Full LIS/HIS connectivity

### Integrated barcode reader

Speeds data entry and reduces errors

\* Not available in the US and Canada



**ABL80 FLEX**  
BASIC version\*



**ABL80 FLEX**



**ABL80 FLEX CO-OX**

## Model specific denominators

| Parameter panel              | Time to results   | Sample |
|------------------------------|-------------------|--------|
| BG/Lytes<br>Hct              | ~ 100-115 seconds |        |
| BG/Lytes<br>Hct<br>Glucose   | ~ 100-115 seconds |        |
| BG/Lytes<br>CO-OX<br>Glucose | ~140 seconds      |        |

| Sample volume | QC                            | Shelf life                 | In-use life  | Standby mode                                   | Start up time*)   |
|---------------|-------------------------------|----------------------------|--|--|---|
| 70 µL         | Manual QC                     | SC 120 days<br>SP 150 days | SC 60 days<br>SP 60 days, with<br>extensive use of<br>standby mode | Conserves<br>solutions and<br>reduces expenses | ~ 5 minutes   |
| 70 µL         | Automatic QC<br>and Manual QC | SC 120 days<br>SP 120 days | SC 30 days<br>SP 30 days   | -  | ~ 8 minutes<br>~20-25 minutes<br>with glucose   |
| 105 µL        | Automatic QC<br>and Manual QC | SC 90 days<br>SP 90 days   | SC 30 days<br>SP 30 days   | -  | ~ 8 minutes<br>~20-25 minutes<br>with glucose<br><br>*) for consumables with<br>new sensor cassette |

# Automated features save time and reduce the risk of errors

## Automated mixing

The *safe*PICO Mixer, a portable and automated mixing device, ensures fast and complete mixing of the sample prior to analysis on any of the analyzers in the ABL80 FLEX series. Automated mixing saves time and reduces the risk of preanalytical errors.

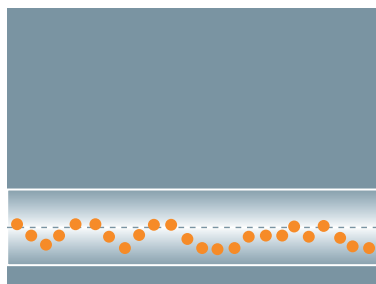


## Automated quality control

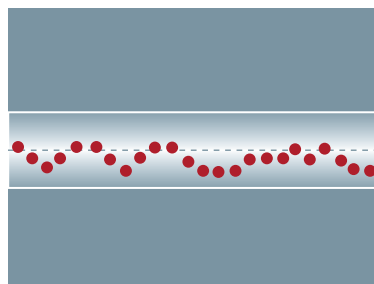
The ABL80 FLEX and CO-OX analyzer versions offer automatic QC. The comprehensive QC system provides aqueous measurements on three levels of solutions, covering a broad portion of the reportable range. System checks are continually performed, followed by automatic corrective actions where necessary.

## QC measurements cover low, normal and high reportable ranges

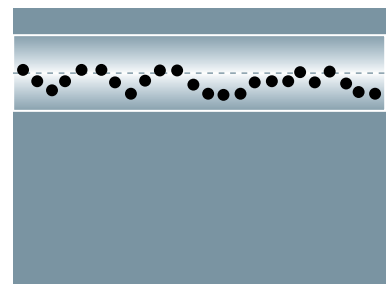
Low



Normal



High



## Automatic patient-sample match with 1st Automatic

The prebarcoded *safePICO* samplers and Radiometer's analyzer and data management system (DMS) automatically link operator, patient and sample IDs at the bedside. Once the sample is scanned at the analyzer's barcode reader, it is automatically recognized. The test result is matched to the correct patient without the risk of mixups.



## Full IT connectivity

The ABL80 FLEX analyzer series offers full connectivity through Radiometer's DMS. Correctly identified results of tests carried out at the point of care are automatically reported to wherever needed: the lab, the patient's bedside monitor or the physician's PDA. Full data capture is secured through continuous data synchronization between all analyzers and the LIS/HIS.



# ACUTE CARE TESTING