ABL80 FLEX

Speed and simplicity at the point of care
The facts about the ABL80 FLEX analyzer

Portability

• Small footprint 9 x 11 in (22 x 28 cm) – fits anywhere
• Weighs only 19 lbs (8.5 kg) – hand-portable or with rolling stand
• Fully operational on battery

Sensor cassettes

• Flexible parameter panels and multiple test volumes
• Easy-to-replace cassettes
• Smart chips automate consumable entry and logging
• Quick start-up time after cassette change
• CO-OX module with ultrasonic hemolysisation and broad wavelength spectrum to detect interferences

safePICO Mixer

• Automatic sample mixing in just seven seconds
• Automatic dispersion of heparin eliminates clots
• Reduced risk of preanalytical errors

Test menu

pH | $pCO_2$ | $pO_2$ | $sO_2$ | ctHb | $FO_2$Hb | FCOHb | FMetHb
FHHb | Hct | cK⁺ | cNa⁺ | cCa²⁺ | cCl⁻ | cGlu
The facts about the ABL80 FLEX analyzer

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

**Connectivity**
- Full LIS/HIS connectivity
- All common communication protocols, including POCT1-A*
- Complete data capture through continuous synchronization
- Remote control of decentral instruments from central location

**Integrated barcode reader**
- Scans patient samples and user IDs
- Saves time and reduces errors from data entry
- Supports automatic sample identification via FLEXLINK

**Inlet**
- 70 µL sample volume (105 µL with CO-oximetry)
- Sample aspiration through safeTIPCAP reduces risk of contact with blood
- 100 seconds from result to result (140 seconds with CO-oximetry)
- Self-cleaning feature on CO-OX module

* in development

**Analyzer and PC workstation in one**
- Windows® XP operating system
- USB ports for easy connection of flash drives, keyboards and other peripherals
- Data backup with read/write CD and USB ports
- Automatic data archiving
- Fast processing of data

**Automated quality control: QC³**
- Three-level aqueous measurements cover a broad portion of the reportable range
- Continual system checks
- Levey-Jennings plots

**1st automatic-enabled**
- Automatic patient-sample match at the bedside
- Test results automatically linked to correct patient
- No risk of mixups
The ABL80 FLEX is a portable, cartridge-based blood gas analyzer for the point of care.

With the ABL80 FLEX, a number of manual procedures involved in traditional blood gas testing have been simplified and automated, providing greater speed and simplicity at the point of care.

The ABL80 FLEX provides

**Speed**

- Only 100 seconds from result to result
- Automated mixing
- Automatic patient-sample match with 1st automatic
- Results quickly available where needed
- Remote control of instruments in real time

**Simplicity**

- Intuitive user interface
- Small and portable
- Minimum maintenance
- Fits multiple applications
- Automated quality control
Only 100 seconds from result to result
In just 100 seconds, the ABL80 FLEX delivers accurate results and is ready for the next sample. Calibrations and quality control can take as little as 12 minutes a day, securing high uptime.

Automated mixing
The safePICO Mixer, a portable and automated mixing device, ensures fast and complete mixing of the sample prior to analysis, saving time and reducing the risk of preanalytical errors.

Automatic patient-sample match with 1st automatic
The prebarcoded safePICO samplers and the FLEXLINK software automatically link patient and sample IDs at the bedside. Once the sample is scanned on the barcode reader, it is automatically recognized. The test result is matched to the correct patient without the risk of mixups.

Results quickly available where needed
The ABL80 FLEX offers full connectivity through RADIANCE. 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 doctor’s PDA. Full data capture is secured through continuous data synchronization between analyzers and LIS/HIS.

Remote control of instruments in real time
RADIANCE also enables the real-time remote control of point-of-care ABL80 FLEX instruments from a central location. Extensive automatic lockout options, password controls and remote monitoring of the system provide enhanced control of testing performed at the point of care, while ensuring quick troubleshooting and continuous uptime.
Simplicity

Intuitive user interface
The ABL80 FLEX’s intuitive user interface can be configured to customized profiles. A parameter bar provides analyzer status at a glance, while multimedia tutorials provide immediate assistance at the touch of the screen.

Small and portable
Lightweight and fully operational on battery, you can carry and use the ABL80 FLEX anywhere.

Minimum maintenance
With its convenient cassette format, the ABL80 FLEX requires minimum maintenance. Smart chips simplify the exchange of both the solution pack and sensor cassette. The analyzer is ready for use just a few minutes after a replacement.

Fits multiple applications
Sensor cassettes are available in several parameter panels and test volumes, matching the needs of an array of different testing sites.

Automated quality control
The ABL80 FLEX offers automatic QC, providing full control of results and eliminating manual steps. 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
Simpler, faster, better

Radiometer’s products and services simplify and automate all phases of acute care testing, providing you with the speed and ease of use you want and the accuracy you need.

This is acute care testing truly made simpler, faster and better.

Contact us
Radiometer is represented in more than 100 countries.
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