

MEDICA

Products for Health Care

*Easy*BloodGas

www.medicacorp.com



EasyBloodGas
Analyzer

MEASUREMENT MODULE
MEDICA EasyBloodGas analyzer
measures and reports measurements of pH, PCO₂,
and PO₂ in whole blood.

...*Easy* to use


Blood gas analyzer operation has never been simpler

The Universal Sampler adapts to both syringe and capillary samples. The sample probe's self-wiping feature provides convenience, sample integrity and user safety.




Syringe Sampling




Capillary Sampling

Compact reagent module for convenience, economy and safety

Bulky gas tanks are replaced with liquid, tonometered calibrants, packaged in a convenient Reagent Module which also collects waste, protecting the user from biological hazards. The Reagent Module's solid-state memory enables EasyBloodGas to track date code and reagent usage. Operation without interruption is assured.

Disposable, maintenance-free electrodes

Advanced membrane technology and novel packaging bring unprecedented convenience to electrode replacement. Medica's integral membrane design means that membranes never need to be changed by the user, saving time and simplifying maintenance.

HOME MENU

- 1 ANALYZE SAMPLE
- 2 ANALYZE QC
- 3 CALIBRATE
- 4 DAILY CLEANER
- 5 SECOND MENU

SETUP MENU

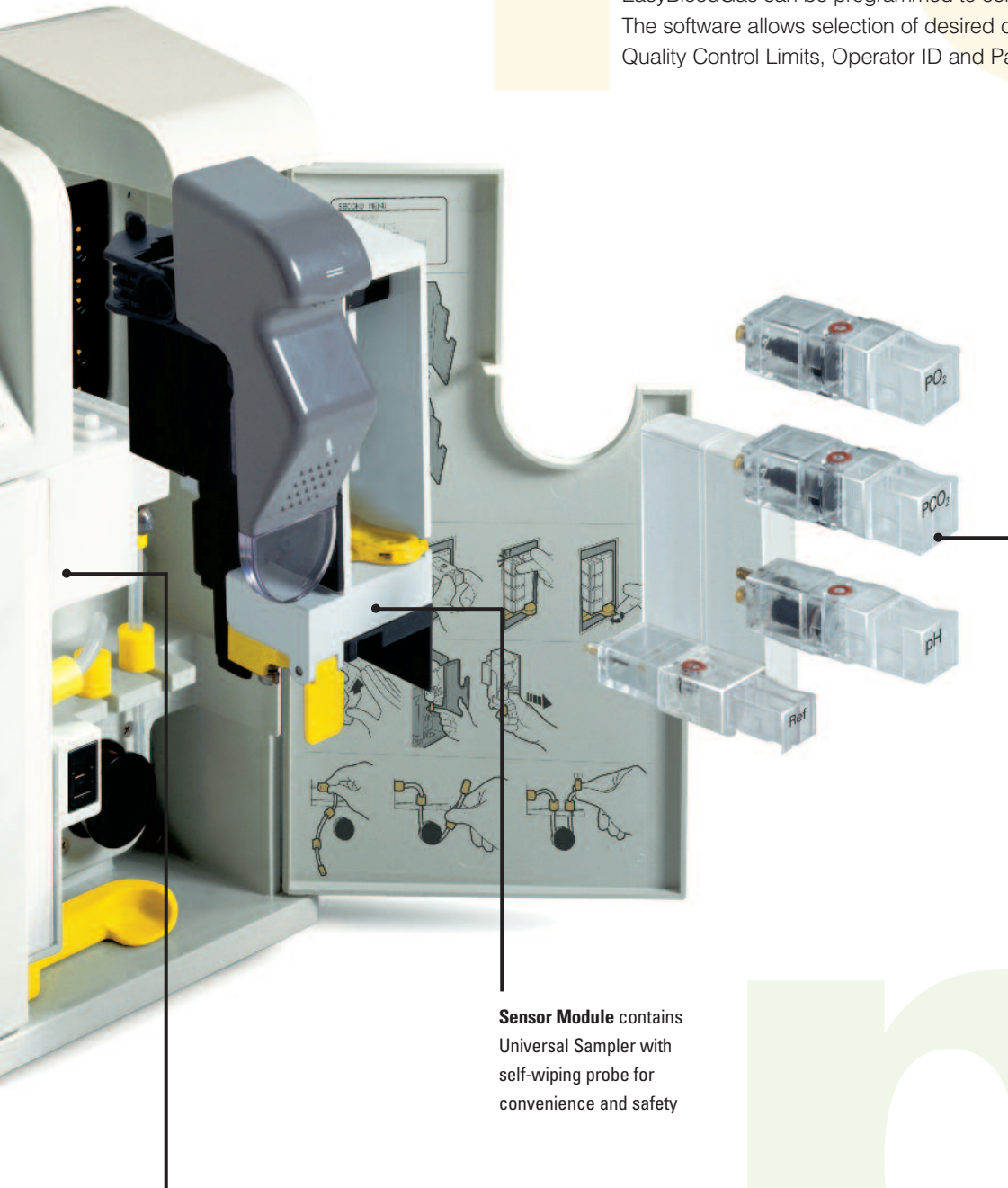
- 1 SECURITY CODE
- 2 USER OPTIONS
- 3 CONFIGURATION
- 4 REFERENCE LIMITS
- 5 PATIENT INFORMATION
- 6 DELETE DATA

DIAGNOSTICS

- 1 TEST COMPONENTS
- 2 TEST FLUIDICS
- 3 SENSOR STATUS
- 4 PRIME FLUIDS

Simple menu-prompted operation with a touch of the keypad

EasyBloodGas can be programmed to conform with established lab protocols. The software allows selection of desired options, including Reference Limits, Quality Control Limits, Operator ID and Patient Data.



Maintenance-free
Electrode design
permits fast, fail-safe
installation

Sensor Module contains
Universal Sampler with
self-wiping probe for
convenience and safety

Valve Module contains
long-lasting ceramic valve;
selects and preheats reagents

...*Easy* to maintain

EasyBloodGas can be maintained by anyone, anytime, anywhere

Innovative design simplifies maintenance, addressing the needs of the remote laboratory with limited access to technical service personnel. All service calls can be performed by fax or telephone, eliminating the need for on-site service. Diagnostic software displays component status, assuring quick troubleshooting. Modularity makes assembly and disassembly quick and easy.

Removal of the three plug-in modules—Reagent Module, Sensor Module and Valve Module—is accomplished without tools.

...*Easy* data management

Comprehensive quality control and data management

The EasyBloodGas quality control program calculates and stores complete statistics for the last 30 quality control results at each of three levels. A printed Levey-Jennings chart visually identifies trends. The data management program compares all patient results with ranges stored in memory and flags out-of-range results. Results are stored in memory for up to 64 patients.



Self-contained **Reagent Module**
eliminates gas tanks and collects
all waste

Ref

Specifications

CLIA Classification:	Moderate complexity
Sample Type:	Whole blood
Sample Size:	100 µL Syringe 75 µL Capillary
Measured Parameters	
pH	6.900 – 7.900 pH units
PCO ₂	8.0 – 150.0 mmHg
PO ₂	10 – 700 mmHg
Calculated Parameters	
pH (T) (pH temperature corrected)	
PCO ₂ (T) (PCO ₂ temperature corrected)	
PO ₂ (T) (PO ₂ temperature corrected)	
TCO ₂ (Total Carbon Dioxide)	0 – 50 mmol/L
HCO ₃ ⁻ (Bicarbonate)	0 – 50 mmol/L
BE _b (Base Excess in blood)	-25.0 – 25.0 mmol/L
BE _{ecf} (Base Excess in extra cellular fluid)	-25.0 – 25.0 mmol/L
SBC (Standard Bicarbonate)	0 – 50 mmol/L
%SO _{2c} (Oxygen Saturation calculated at normal P ₅₀)	40.0 – 100.0%
A-aDO ₂ (Alveolar arterial oxygen gradient)	0 – 700 mmHg
RI (Respiratory Index)	0.0 – 70.0
Input Parameters	
Patient Temperature	5 – 45°C
Hemoglobin	30 – 30.0 g/dL
FIO ₂	10 – 100%
Patient ID	14 digits
Sample Temperature Control:	37°C ± 0.2°C
Ambient Conditions:	15 – 30°C (59 – 86°F), 500 – 800 mmHg (max 15 PSI) 5 – 85% relative humidity, non-condensing atmospheric air environment (21% PO ₂)
Analysis Time:	125 seconds
Data Storage:	64 Patient results with Operator ID, Patient ID, Date and Time QC – up to 30 results for each Level (1, 2, 3)
Calibration:	Automatic or On-Demand
Input/Output:	Numeric keypad, graphic display, 27 column thermal printer, barcode reader port, RS-232 computer interface port
Power:	100/115 ~ VAC, 50 – 60 Hz, 0.8 A or 220 ~ VAC, 50 – 60 Hz, 0.4A
Size & Weight:	14.5" W x 12.5" H x 7" D (37 cm W x 32 cm H x 18 cm D) 16 lbs. (7.3 kg) with reagent module

Medica Corporation
5 Oak Park Drive
Bedford, MA 01730-1413
USA

Continental US Telephone
800 777 5983

International Telephone
781 275 4892

Fax **781 275 2731**

E-mail sales@medicacorp.com

www.medicacorp.com

call for our free CD