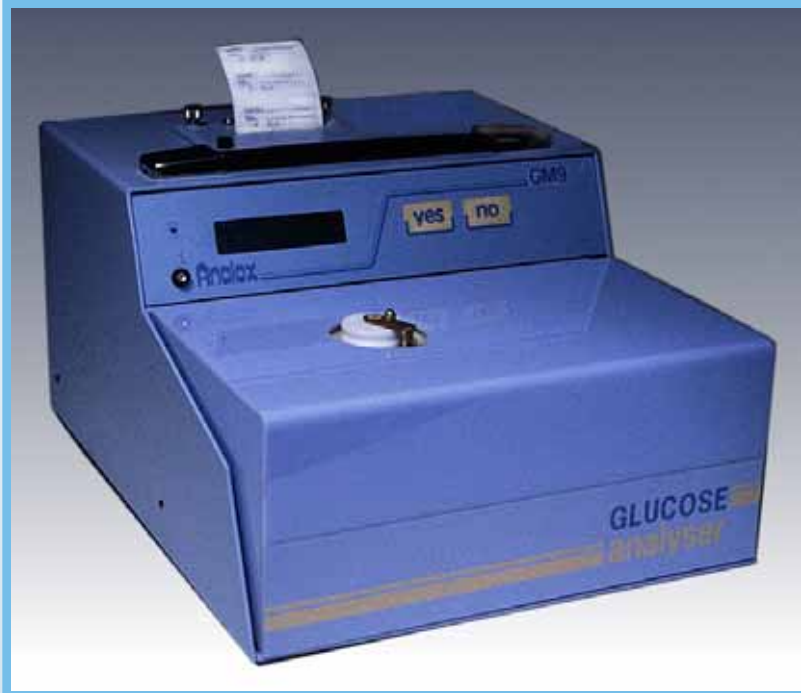
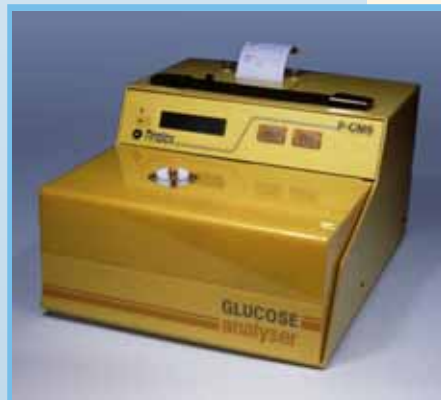


# ANALOX GM9

the Fast Glucose Analyzer



- Whole-blood, plasma etc.
- Simple YES/NO operation
- 5 or 10ul micro-sample
- Result in under 20 seconds
- Word display for user guidance and self-test functions
- Integral printer for patient result, I.D., time and date
- Fully sterilizable pathways
- Compact size
- RS232 interface + software option

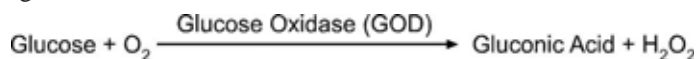


**Fully portable model  
for near-patient operation**

**A rapid, whole-blood system for stat,  
near-patient or laboratory glucose analysis.**

## Analytical Principle

Oxygen consumption is measured during the reaction between sample glucose and glucose oxidase (GOD). Under the conditions of the assay, this is directly proportional to the glucose concentration:



## Analyser Operation

Injecting a sample is all you need to obtain a result and prepare the analyser for the next analysis. Sample injection via a very accurate positive displacement pipette also triggers the complete analytical cycle. The 32-character display guides the user through all operating procedures using just YES and NO buttons. A hard-copy result is obtained on the integral printer within 20 seconds. The RS232 port facilitates interface with your PC database.

## Samples and Blood Collection Systems

Plasma, serum and other biological fluids may be injected directly into the analyser. Whole blood samples are collected in Analox capillaries, or tubes, containing heparin, fluoride and nitrite. Capillaries with 30-50µl fill are used for small samples, especially in paediatrics, and there are special cards for sample storage and identification. Similarly treated tubes for 0.2ml or 0.5ml are available for venous or other samples.

## Performance Specifications

Accuracy (Recovery)	Plasma, mean 100.92% (99.2-106.7) range 1.5-30.0mmol/L Whole blood, mean 96.7% (89.1-100.2) range 1.0-25.0mmol/L	
Linearity	0-30mmol/L for 10µl sample 0-50mmol/L for 5µl sample	
Precision	Plasma, CV = 1.0% at 10.0mmol/L (n = 20) Whole-blood, CV = 0.85% at 12.0mmol/L (n =40)	
Method Comparison (mmol/L, y = GM9)	Plasma, vs GOD-PAP AAll n = 53, r = 0.998 y = 1.01x + 0.13	Whole blood, vs GOD PAP AAll n = 100, r = 0.998 y = 1.02x - 0.26

## Instrument Specifications

Method:	Enzymatic oxygen rate
Sensor:	Clark-type amperometric oxygen electrode
Reaction temperature:	30°C
Display:	32-character backlite LCD
Printer:	16-Column dot matrix, 1 line/sec.
Interface:	RS232 Serial data port, optional Windows software available
Power (GM9):	100-264V AC, 50-60Hz, 12-15V DC, 60VA
Power Portable (P-GM9):	As above plus 5Ah integral rechargeable battery and charger unit
Dimensions:	23cm (width), 29cm(depth), 15cm(height)
Weight:	GM9 3.8kg; P-GM9 6.0kg

## Other Analyser Options

P-GM9	Fully portable Glucose analyzer battery/mains powered
GM9D	Immediate whole blood glucose analyzer for clamping studies
GL5 Micro-Stat	Fast clinical analyzer for glucose, lactate, cholesterol, uric acid, alcohol.
GM7	Fast clinical analyzer for glucose, cholesterol, urate, urea, alcohol, lactate, pyruvate, 3-OH butyrate, acetoacetate, creatinine or ammonia. P-GM7 is the fully portable battery/mains version

Analox Instruments USA Inc.

P.O. Box 208

Lunenburg

MA 01462-0208, USA

Tel: (978) 582 9368

Fax: (978) 582 9588

Email: [info@analoxusa.com](mailto:info@analoxusa.com)

Online: [www.analoxusa.com](http://www.analoxusa.com)