

Veterinary Blood
Gas & Electrolyte
Analyzer

seamaty

VG1

Veterinary Blood Gas & Electrolyte Analyzer



A handheld veterinary blood analyzer that delivers lab-quality, diagnostic results in minutes.

www.seamaty.com

VG1 *Veterinary Blood Gas & Electrolyte Analyzer*

The Seamaty VG1 is an easy-to-use handheld veterinary analyzer with accurate blood gas, electrolyte, and critical care biochemistry results in just a few minutes, and allows you to do the diagnosis anywhere.



Easy operation

Testing can be performed in 3 simple steps with only 2 or 3 drops of whole blood.



Patient care

Get accurate results in 4 minutes at the patient's side to enable rapid decision-making, and optimize patient-care.



Multi-parameter card

Single-use test card offer a broad menu of tests on a single, portable platform. Each test card has a unique combination of biosensors to suit a wide range of clinical needs.



Handheld portability

Lightweight with a built-in battery allowing diagnosis at the point of care, patient side, out in the field, or exam room.

Reader



| | | | |
|-----------------|--------------------------------|------------------------------|--|
| Sample | Arterial or venous whole blood | Sample volume | 100 μ L |
| Bar code | QR code | QC & calibrate | IQC (Intelligent Quality Control) |
| Display | 4.3 IPS touch screen | Connectors | Type-c |
| Power | 5V 2A | Battery | 3.7V, 5000mAh |
| Printer | Built-in thermal printer | Operating temperature | Temperature: 5 - 32 $^{\circ}$ C; Relative humidity \leq 85%; |
| Weight | 600g | | |

Test Card

| Measured Parameters | | | Calculated Parameters | | |
|---------------------|------------------|------------------|-----------------------|--------------------|---------------------------------|
| pH | pCO ₂ | K ⁺ | TCO ₂ * | AG* | cHCO ₃ ^{-*} |
| pO ₂ | Na ⁺ | Ca ⁺⁺ | BE(ecf)* | cSO ₂ * | BE(B)* |
| Cl ⁻ | Hct | | tHb(est)* | | |

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