



# VETERINARY AUTOMATED CHEMISTRY ANALYZER

Closer to Diagnosis  
Closer to Companion



## CLOSER TO **DIAGNOSIS** CLOSER TO **COMPANION**

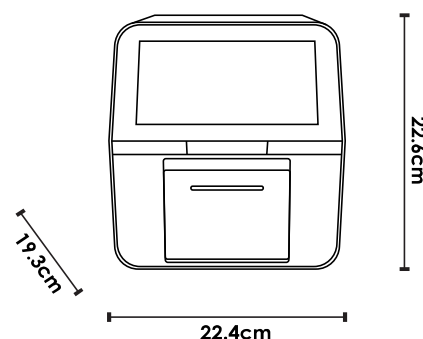
Founded in 2012, Chengdu Seamaty Technology Co., Ltd specializes in the Research & Development , production and marketing of POCT chemistry analyzers. Seamaty is accredited as a high-tech enterprise by the Sichuan provincial government .Our standard GMP plants which are certified by TUV for ISO13485:2016 develops and manufactures our CE listed products. Acknowledged and recognized by the Chinese Government as a high-tech enterprise. Seamaty has registered many intellectual property and patent for inventions.  
We currently distribute to over 90 countries around the world including many European countries.



Vet

## Specifications

Sample volume:	90–120ul
Bar code:	Two-dimensional bar code
Testing time:	12minutes/sample
Temperature:	37°C ± 0.2°C
Resolution:	0.001Abs
Absorbance:	0–3.0Abs
Sample type:	Anti-coagulated whole blood, serum, plasma
QC&Calibrate:	Real time full-auto finish
Operational environment:	Temperature: 10-32°C Humidity: <85%
Testing principle:	Absorption spectroscopy, transmission turbidmetry
Testing method:	End point, kinetic, fixed time and turbidmetry
Light source:	12V/20W, halogen tungsten lamp's life span is over 2500 hours
Power supply:	Adapter inside: AC100V-240V, 50-60Hz
Power:	Output: 15V 7.0A, 105W MAX
Display:	Android 7.0 inch 800*480, multi-point capacitive touch screen
Storage:	4G, > 100,000 results
Printer:	Built-in thermal printer
Connectors:	2 USB ports
Order code:	A00121VETEN0
Languages	English, Italian, Portuguese, Russian, Spanish, Deutsch, French



## SMT-120VP

SMT-120VP is a completely new chemistry, electrolyte, immunoassay and coagulation analyser for animal health diagnosis producing accurate reference laboratory quality results.



Single test up to 25 parameters



12 minutes to results



Improved user experience

### Small sample volume

Sample volume required for analysis is only 1/10-1/20 when compared to traditional chemistry analyzers.

### Easy to Carry

4kg. The analyzer was designed to be portable and have a small footprint, ensuring that it can be used anywhere at any time.

### Less Maintenance

No maintenance consumables, such as tubing, pumps or valves required, which saves on maintenance expense.

### Accurate Results

The SMT-120VP analyzer utilizes the photometric colorimetric principle, which is superior to the dry chemistry analyzer using a light reflection principle. The accurate rotor mould guarantees consistent test sample and dilution volumes, eliminating random error and cross contamination.



## EASY 3-STEPS OPERATION

Dilution, centrifugation, quality control and test result printing occur automatically as steps during the sample analysis process.



### 1. Insert Sample (100ul blood)

Whole blood sample requires no pre-treatment. Only 100ul of whole blood, serum or plasma required to complete the test.



### 2. Insert Rotor (12 minutes running)

Easy to use in a mobile setting or in the field. Key moving parts are original and sourced from US manufacturers. All fluids self-contained within the rotor, eliminating the need for internal pumps, valves and other vulnerable parts.



### 3. Read Result (immediately)

The photoelectric colorimetric principle utilized eliminates random error and cross contamination. The analyzer quality checks and calibration occurs automatically and in real time during analysis.

**Quick Accurate Diagnosis for Vet**



# VETERINARY ROTOR PROFILE

## & ORDER CODE

Analyte ( Full Name )	Albumin	Alkaline phosphatase	Alanine aminotransferase	Amylase	Aspartate aminotransferase	Calcium	Cholinesterase	Chlorine	Creatine kinase	Creatinine	Glucose	Gamma-glutamyltransferase	Potassium	Lactate dehydrogenase	Lipase	Magnesium	Sodium	Phosphorus	Bile Acids	Total Bilirubin	Total Cholesterol	Bicarbonate	Triglycerides	Total protein	Uric Acid	Urea nitrogen	C-reactive protein	Prothrombin	Pondus Hydrogenii	Activated partial thromboplastin	Thrombin	Fibrinog	Feline serum amyloid	Lactate	Fructosamine	Albumin/ Globulin	Urea nitrogen/ Creatinine	Globulin	
Comprehensive Test #AW00704	ALB	ALP	ALT	AMY			CHE			Crea	GLU		K <sup>+</sup>				Na <sup>+</sup>			TB				TP	UA	BUN										A/G*	B/C*	GLOB*	
Health Check #AW00085	ALB		ALT	AMY	AST	Ca			CK	Crea	GLU							PHOS		TB			TG	TP		BUN										A/G*	B/C*	GLOB*	
Liver Function #AW00087	ALB	ALP	ALT		AST							GGT							TBA	TB	TC			TP												A/G*		GLOB*	
Kidney Function #AW00198	ALB					Ca				Crea	GLU							PHOS							UA	BUN											B/C*		
Electrolyte #AW00234						Ca		Cl <sup>-</sup>					K <sup>+</sup>			Mg	Na <sup>+</sup>	PHOS								UA	BUN												
Primary Diagnostic #AW00686	ALB	ALP	ALT							Crea	GLU														TP		BUN										A/G*	B/C*	GLOB*
Pre-operation #AW00235		ALP	ALT		AST				CK	Crea	GLU			LDH											TP		BUN											B/C*	
Canine Inflammation #AW00470				AMY						Crea					LPS												BUN	c-CRP										B/C*	
Coagulation #AW00650																												PT		APTT	TT	Fib							
Feline Inflammation #AW01181	ALB	ALP								Crea		GGT		LPS					TBA							BUN								fSAA				B/C*	
Comprehensive Plus #AW01367	ALB	ALP	ALT	AMY	AST	Ca			CK	Crea	GLU	GGT		LDH	LPS			PHOS	TBA	TB	TC	tCO <sub>2</sub>	TG	TP		BUN										A/G*	B/C*	GLOB*	
Electrolyte Plus Parameters #AW01073						Ca		Cl <sup>-</sup>					K <sup>+</sup>			Mg	Na <sup>+</sup>	PHOS											pH						LAC				
Reptilian or Exotic Animals #AW00789	ALB				AST	Ca			CK		GLU		K <sup>+</sup>				Na <sup>+</sup>	PHOS	TBA					TP	UA														
Diabetes Test Parameters #AW01364			ALT	AMY	AST						GLU				LPS							TC		TG										LAC	FRU				

# DISPOSABLE REAGENT DISC

14 Veterinary Chemistry  
Profiles with 36 Parameters  
in One Solution

The single use plastic rotor contains freeze-dried reagents and diluent with a 12 month shelf-life when stored at 2-8°C. The QR code not only contains the basic information of the rotor, but also has the functionality of initializing a system update and set the zone codes.



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