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HAND-HELD BREATH ALCOHOL ANALYZER MODEL-KT4000P



KT -4000P Hand-held Breath Alcohol Analyzer

KT-4000P offers professional users precise and quick breath alcohol analysis in a user-friendly and compact form. Thanks to its wide range of possible configurations, the hand-held instrument can be easily adapted to meet different international regulations and guidelines. Because KT-4000 offers intuitive operation, it's easy to use and precise measurement results can be obtained within a very short period of time.

1. Electrochemical/Fuel cell sensor

Highly specificity to alcohol, unaffected by other possible breath contaminants

2. Compact gas circuit design and advanced analysis process

Assure fast, accurate and stable testing results

3. Quick and precise analysis

This ensures a high specificity to alcohol, with a long and stable working life

- 4. Built-in printer Can be detached from main body and be replaced by a piece of spare lithium-ion cell
- **5. Fast printing process** 5 cm per second
- 6. Color LCD touch screen High resolution
- 7. Safe and easy to use

All measurement functions are controlled via a single key, while menu navigation is by three menu keys

- **8.** Easy to read display Alcohol readings are clearly shown on a 2.8 inch LCD screen.
- **9.** Touch screen For easy input of information
- 10. Memory capacity Able to store 4000 test results This data can be downloaded to a printer or PC.
- 11. Built-in GPS function Can locate the position of testing site
- 12. Power supply Rechargeable lithium-ion cell Able to work for twenty hours
- 13. Big capacity RTC-BATT Can be replaced easily
- 14. Mouthpiece Specially designed one-way mouthpiece with non-return valve

INTRODUCTION

KT-4000

3 □ Technical Data

Details	Technical Data	
Principle of measurement	Electrochemical Sensor, alcohol-specific	
Measurement Range (BrAC)	0.000mg/L□1.500mg/L	
Resolution	0.0001 mg/L	
Accuracy: Max. Measuring error, in relation to the ethanol standard	Ethanol Vapor Concentration C /(mg/L)	Deviation
	C<0.400	±0.020mg/L
	0.400 <u><</u> C<1.000	±5%
	C≥1.000	±20%
Repeatability of Indicating Value	Ethanol Vapor Concentration C /(mg/L)	Deviation
	C<0.400	0.007mg/L
	0.400 <u><</u> C<1.000	1.75%
	C≥1.000	6%
Calibration	Every 6 months	
Temperature range- operation	-5□□45□	
Temperature range-storage	-30□□70□	
Optimum Storage Conditions	Temperature 20 ±5 Humidity <80%RH Pressure 86kPa 106kPa No vapor or electromagnetic disturbances in the environment are influencing the normal working conditions of the device	
Blowing Time	3 seconds □ breath flow □ ≥20L/min □	
Warm-up Time	6 seconds after switching on	
Recovery Time	1-5 minutes, depends on Ethanol Vapor Concentration	
Analysis Time	Less than 10 seconds	
Display	2.8 inch color touch screen	
Memory Capacity	Stores 4000 measured values with date and time	
	□ data can be transferred to a PC or printer □	
Communication Method for Printer	Bluetooth	
Printer	Micro Thermal printer	
Dimensions(L x W x H)	Approx. 190mm×82mm×36mm	
Number of Measurements per Battery Pack	More than 500 times □under ambient conditions□	
Operation Voltage	State of charging	State of operation
	DC10~14V	DC 6.3~8.4V
Batteries	2000mAh/7.4V Lithium-ion-battery	
Weight	Approx. 470g □ including printer, batteries, paper roll □	

Note: The device performs best under benchmark working condition. It is able to work between temperature - $5\square$ and $50\square$ with ambient humidity from 20%RH to 90%RH.