

# ALCOTECTOR<sup>®</sup>

Breath Alcohol Analyzer



### Factory

中國深圳市羅田區商輦路80號  
天健工業區9棟4樓北  
Tel : 86-755-83160733

North Wing, 4/F, Bldg, TianJian Industrial  
Zone, Shenzhen, China  
Fax : 86-755-83160467

### Office

香港觀塘成業街三十號華富工貿中心1306室  
Rm1306, Winful Centre, 30 Shing Yip St.,  
Kwun Tong, Hong Kong  
Tel : 852-3421 0580

Rm1306, Winful Centre, 30 Shing Yip St.,  
Kwun Tong, Hong Kong  
Fax : 852-3421 0583

[www.well-co.com](http://www.well-co.com)





ALCOTECTOR®

The Alcotector® is an alcohol breath analyzer designed and manufactured through joint partnership between Shenzhen Well Electric Co. Ltd., an engineering firm and manufacturer in China, and Guth Laboratories, Inc., Harrisburg, Pennsylvania, the US. Our objective has been to develop an outstanding alcohol breath analyzer for the international market. The Alcotector® has many features designed for dependable and accurate field testing. The Alcotector® is useful to law enforcement agencies, medical and education facilities, transportation agencies and DOT workplace.

ALCOTECTOR®



Breath Alcohol Analyzer



The Alcotector® is the most advanced alcohol breath analyzer in the world. The Alcotector® is the most widely used breath analyzer by the law enforcement agency in China. The Alcotector® has also been exported to the US, Europe and other Asian countries. We welcome customers from all over the world. With our outstanding technology, we can surely develop tailor-made alcohol breath analyzers for you. alcohol breath analyzers for you.

# WAT89EC-1



## TECHNICAL DATA SHEET

Sensor	High quality fuel cell
Working temperature	0°C ~ 45°C
Storage temperature	0°C ~ 45°C
Storage humidity	Not greater than 90%
Size	165mm X 75mm X 35mm
Weight	240g without batteries
Battery life	Not less than 500 tests
Battery	AA alkaline battery or AA Ni-Mh rechargeable battery
Display LCD size	50mm X 17mm, 128pix X 32pix
Response Time	20 seconds
Sampling system	Automatically or manually take a deep lung sample
Optional power	12 volt Car Adapter or AC 12 volt Adapter
Clock	Real time clock
Units of measure	BrAC: mg/L, or any other units BAC: grm%, mg/mL, mg/100ml, or any other units
Detection Range	0.000 mg/L to 3.000 mg/L
Pump Automatically	Automatically actuated electronic pump system. No cocking required
Self Diagnostics	Programmed self-check assures unit is operational upon power-up
Accuracy	0.020 mg/L for all mass concentration for all mass concentrations less than 0.400 mg/L; 5% of the measured concentration for all mass concentrations greater than or equal to 0.400 mg/L and less than or equal to 2.000 mg/L 20% of the measured concentration for all mass concentrations greater than 2.000 mg/L



**ALCOTECTOR®**



US DOT Approved Ref. No.: WT0406147-1 DATIA Member ISO 9001:2000

# C2H5OH

## TECHNICAL DATA SHEET



Sensor	High quality and long life fuel cell
Working temperature	-5°C ~ 45°C
Storage temperature	-15°C ~ 65 °C
Storage humidity	Not greater than 95%
Size	160mm X 68mm X 35mm
Weight	255g without batteries
Battery life	Not less than 500 tests
Battery	4 AA alkaline battery or 4 AA Ni-Mh rechargeable battery
Display LCD size	50mm X 17mm, 128pix X 32pix
Response Time	20 seconds
Sampling system	Automatically or manually take a deep lung sample
Optional power	supply 12 volt Car Adapter or AC 6 volt Adapter
Clock	Real time clock
Units of measure	BrAC: mg/L, or any other units BAC: gm%, mg/mL, mg/100ml, or any other units
Detection Range	0.000 mg/L to 3.000 mg/L
Self Diagnostics	Programmed self-check assures unit is operational upon power-up
Accuracy	0.020 mg/L for all mass concentration for all mass concentrations less than 0.400 mg/L; 5% of the measured concentration for all mass concentrations greater than or equal to 0.400 mg/L and less than or equal to 2.000 mg/L 20% of the measured concentration for all mass concentrations greater than 2.000 mg/L
Memory	0.000 mg/L to 3.000 mg/L
Pump	Automatically actuated electronic pump system. No cocking required
Memory	Able to save 2000 test results
Optional accessories	Wireless printer: Thermal or Dot Matrix Card Reader (Coming soon) GPS indicator, use with wireless printer (Coming soon) 590 hand held simulator (for evidential use) Fingerprint system



US DOT Pending



Ref. No.: WT0406147-1



DATIA Member



ISO 9001:2000



## ALCOTECTOR®

- Unique outstanding features of the Alcotector® include:
- Input Keyboard: data can be input immediately and directly,
  - Wireless-print: Pin or thermal printer available

# BAC-100

## TECHNICAL DATA SHEET



Sensor	High quality and long life fuel cell
Working temperature	-5 ~ 45 °c
Storage temperature	-15 ~ 65 °c
Storage humidity	Not grater than 95%
Size	195mm X 68mm X 35mm
Weight	295g without batteries
Battery life	Not less than 500 tests
Battery	4 X 1800mAh AA Ni-Mh rechargeable battery
Display LCD size	50mm X 17mm, 128pix X 32pix
Response Time	20 seconds
Sampling system	Automatically or manually take a deep lung sample
Optional power	supply 12 volt Car Adapter or AC 6 volt Adapter
Clock	Real time clock
Units of measure	BrAC: mg/L, or any other units BAC: grm%, mg/mL, mg/100ml, or any other units
Detection Range	0.000 mg/L to 3.000 mg/L
Self Diagnostics	Programmed self-check assures unit is operational upon power-up
Accuracy	0.020 mg/L for all mass concentration for all mass concentrations less than 0.400 mg/L; 5% of the measured concentration for all mass concentrations greater than or equal to 0.400 mg/L and less than or equal or equal to 2.000 mg/L 20% of the measured concentration for all mass concentrations greater than 2.000 mg/L
Pump	0.000 mg/L to 3.000 mg/L Automatically actuated electronic pump system. No cocking required
Memory	Able to save 2000 test results



**ALCOTECTOR®**

- Unique outstanding features of the Alcotector® include:
- Input Keyboard: data can be input immediately and directly,
  - Two-in-one: Alcotector® combined with printer.



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ISO 9001:2000





## THERMAL PRINTER — Model : WPT-1R

- Compact size
- Light weight
- Worldwide used:no license or register required
- RS-232 serial communications ports
- Easy-load paper
- Takes 4 standard AA rechargeable batteries
- CE approved



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## MATRIX PRINTER — Model WRT-1P

- Compact size
- Light Weight
- Worldwide used:no license or register required
- RS-232 serial communications ports
- Easy-load paper
- Takes 4 standard AA rechargeable batterie



**ALCOTECTOR®**



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