



# Mangal Instrumentation

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## Digital Alcohol Breath Analyzer, Alco PT 5000



### Product Specification

|  |   |
|--|---|
| 1. <b>Electrochemical / Fuel Cell Sensor::</b> | The fuel cell is a porous disk with a thin layer of platinum black on both faces and any alcohol that comes in contact with the cell's surface is broken down chemically. For each molecule of alcohol that is broken down a given number of electrons are freed during the process. The numbers of electrons generated are in proportion to the amount of alcohol. |
| 2. <b>Printer::</b>                            | In-Built printer -Can be detached from alcohol analyzer and become a stand alone wireless   |
| 3. <b>Display::</b>                            | . Color 3.2" TFT LCD whit touch screen  |
| 4. <b>Navigating</b>                           | Navigating key input with Touch Panel   |
| 5. <b>Analysis</b>                             | Ensure a high sensitivity to alcohol and stable & reliable working life.  |
| 6. <b>Easy to read::</b>                       | Waveform graphic display and make the analyzer more fancy and clear   |
| 7. <b>Memories ::</b>                          | Able to store 5000 test results (Depends on data required or Flash capacity)  |
| 8. <b>Data download::</b>                      | PC down via standard USB cable.   |
| 9. <b>Mouthpiece::</b>                         | Easy to replace a new mouthpiece by pressing a key  |
| 10. <b>Power Supply::</b>                      | Rechargeable/AA battery   |
| 11. <b>Heat warm</b>                           | Chamber & Sensor warm up automatically  |
| 12. <b>Auto flow monitoring::</b>              | Flow detect automatically   |
| 13. <b>Display</b>                             | 0~0.4% BAC or 0~4.0 mg/L or 0~2.0mg/l   |
| 14. <b>Environment::</b>                       | -40 Degree C to +85 Degree C.   |
| 15. <b>Temperature</b>                         | From -20°C to +70 °C, (-20 Degree C to +40 Degree C for optimum operation   |
| 16. <b>Measurement</b>                         | Standard deviation $\pm 1\sqrt{0.025}$ mg/L or $\pm 1\sqrt{5}$ % of the measurement<br>Drift: typically < 0.8 % of the measurement value/month  |
| 17. <b>Memories::</b>                          | 1M Flash memories for Data log (option 2M.)   |