MEMORY ping™

Solving Crimes with the Science of Memory Detection

WHAT IT DOES

Memory Ping™ is a software and sensor solution which, when combined with our training, allows investigators to conduct testing of suspects to determine their involvement in the crime under investigation. The software includes an algorithm to guide decisions.

WHY IT WORKS

Memory Ping detects the presence of information in the suspect's memory. There are uncontrollable physiological reactions in a guilty suspect when crime details are mentioned, reactions that do not occur in those who do not know those details. Memory Ping makes it easy for you to find out who knows this information.

If you are looking to strengthen your investigation process, please contact us for more information about the Concealed Information Test technique and our Memory Ping™ solution.

Tel: (765) 423-1505
sales@lafayetteinstrument.com
www.memoryping.com

BENEFITS

FAST
The Memory Ping training program is conducted in a week of lectures and hands-on exercises. When training is complete, a Memory Ping test can be conducted almost anywhere in 30 minutes or less with the results displayed immediately.

ACCURATE
Leveraging proven technology and testing methodology, Memory Ping detects subtle and involuntary signals with known physiological reactions to recognition and deception.
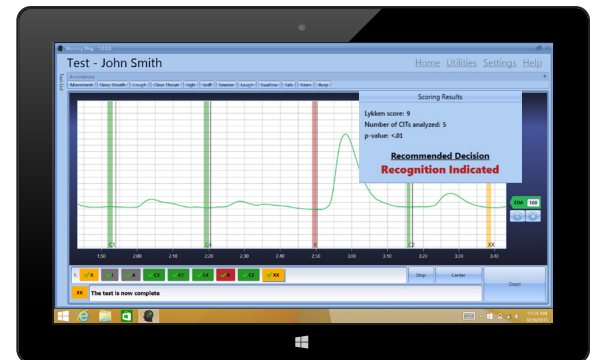
FLEXIBLE
Memory Ping can be used to perform a Concealed Information Test (CIT) as well as facilitate a structured interview.* Testing can be even further customized using Lafayette Instrument's proprietary polygraph software, LXSoftware.**

VALIDATED
Analysis of CIT data can be performed automatically with Memory Ping's validated algorithm. It is based on decades of published research from several respected scientists. The algorithm can score the data, show the user what it is scoring, and will produce a decision along with a probability statement.
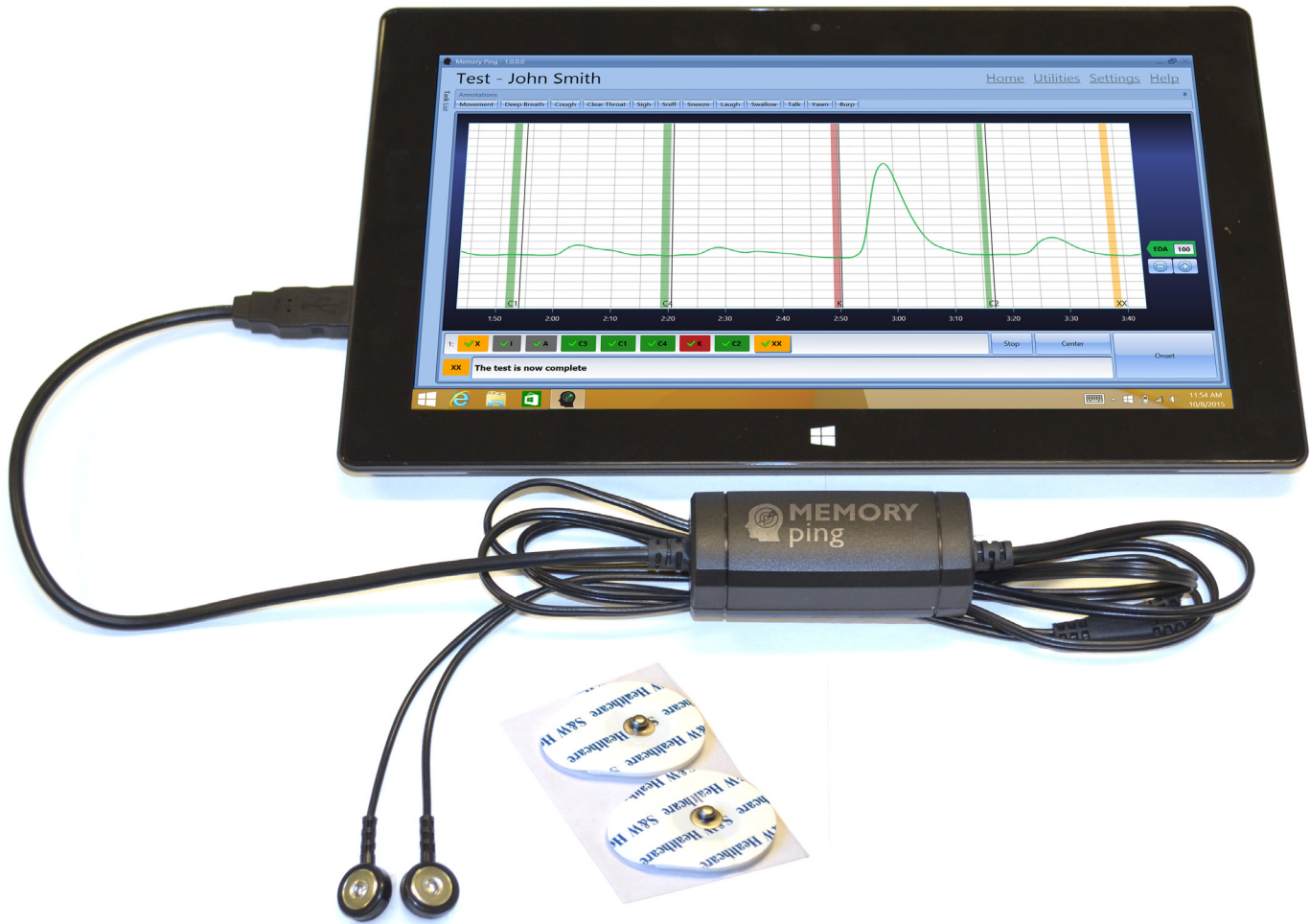
AFFORDABLE
Reactions are detected using sensors on the hand or fingers while the software can be used on a laptop, desktop, or even a tablet. The Memory Ping software allows the user to quickly set up and conduct an interview or test, watch the data scroll on the screen in real time, evaluate the data offline, and easily send the case electronically to another investigator.

SENSOR

- **Input:** EDA (1 Channel)
- **Type/Specifications:**
  - GSR: 3.59uA
  - Constant Current Range: 10kΩ - 2.5MΩ
  - Isolation: $5KV_{rms}$

HARDWARE SPECIFICATIONS

- **Size:** L: 3.0" W: 1.2" H: 1.0" (L: 7.62cm W: 3.05cm H: 2.54cm)
- **Weight:** 0.21 lbs. (95g)
- **Power Requirements:** Receives power via USB connection
- **USB Specifications:** USB HID
- **Transfer Rate:** 120 samples per second
- **Resolution:** 24-bit analog to digital conversion

COMPUTER REQUIREMENTS

Memory Ping hardware and software was designed with the minimum system requirements in mind:

- **Operating System:** Windows 7 or better (tablet, PC, or laptop)
- **Display:** 10" or larger
- **Hard Drive:** 64GB or larger
- **RAM:** 4GB or higher
- **Processor:** 1.50GHz or better
- **USB:** Full-size USB 3.0
- **Touch:** Multitouch input recommended
- **Camera:** 1.3MP or higher recommended
- **Internet Connectivity:** Recommended

A Windows PC or tablet is not included with system