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 and the results are displayed immediately.

ACCURATE
Memory Ping leverages proven technology, testing methodology and known physiological reactions to recognition and deception.

APPROACHABLE
Analysis of the 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.
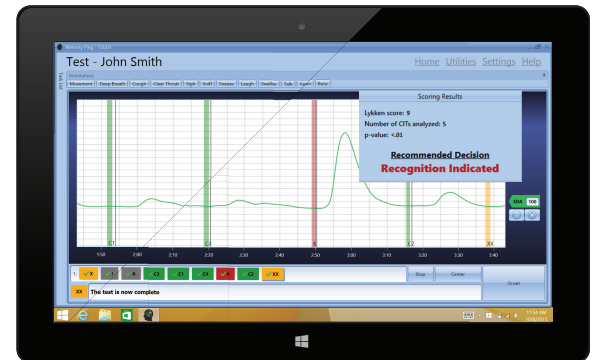
EXPANDABLE
Using Lafayette Instrument's proprietary polygraph software, LXSoftware*, Memory Ping can conduct even more customized CIT tests and structured interviews!

AFFORDABLE
Subtle and involuntary signals are detectable using Memory Ping sensors on the hand or fingers.

The Memory Ping software can run on a laptop, desktop, or even a tablet. It allows the user to set up and conduct a test, watch the data scroll on the screen in real time, evaluate the data offline, and 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