

Physio Tracker v2 for EyeDetect+

EyeDetect+ is a lie detection solution (automated polygraph) consisting of an EyeDetect Station with eye tracker and a Physio Tracker v2. The Physio Tracker v2 is an optional add-on to an EyeDetect Station (v3 or v4) and may be used with any EyeDetect test license. It is a multi-channel physiology monitor.

When a Physio Tracker v2 is attached to an EyeDetect Station, enhanced test scoring will be performed. Otherwise, standard test scoring will be performed.

The Physio Tracker v2 uses various sensors to measure and record the following:

- Electrodermal activity (EDA) recorded from electrodes attached to two fingers on one hand
- Respiration activity recorded from strain gauge(s) strapped around the chest or abdomen
- Electrocardiogram (ECG) recorded from electrodes attached to both wrists
- Peripheral vasomotor activity – recorded from photo plethysmograph (PPG) attached to one finger
- Pulse transit time (an indirect measure of blood pressure) derived from ECG and PPG signals
- Body movement recorded from a seat activity pad with 256 sensors



Specifications

The Physio Tracker is a multi-channel physiology monitor. The device provides 16-bit signal resolution. Medical-grade 1.5 mm. pin-to-snap leads are used for electrode connections. The Physio Tracker is powered by USB.

To use the activity pad, the seat of the chair must be wider than 16" x 16" to ensure the activity pad's sensors (contained in an area measuring 12.6" x 12.6") can be placed on the flat surface of the seat.

Legal

The Physio Tracker gathers data similar to a traditional polygraph instrument. As such, EyeDetect+ complies with the U.S. Department of Labor definition of polygraph, which states that polygraph is "an instrument that records continuously, visually, permanently, and simultaneously changes in cardiovascular, respiratory and electrodermal patterns as minimum instrumentation standards."

Requirements

Must be used with an EyeDetect Station version 3 or 4.

Suggested Retail Price

US\$2,850