



Professionals  
in drug screening

## P.I.A.3 – The Value of Objectivity

### Test your samples with laboratory-like accuracy

*Lateral Flow Immunoassays are practical tools for the detection of drugs of abuse directly on-site, for example, in traffic control situations. They are easy to use, quick, and cost-effective.*

Drug screening tests are working with more or less distinct colored test lines that indicate whether a test is positive or negative. The line quality is often difficult to interpret.

The interpretation of results depends on the color intensity and the subjective perception of these lines by the user. This perception, in turn, is influenced by various factors, e.g., the user's subjective acuity and the prevailing lighting conditions.

P.I.A.3, however, not only assists you in interpreting test lines. It is much more than just a reading device. With P.I.A.3, we provide you with an optoelectronic analyzer system, a pocket-sized virtual laboratory.

P.I.A.3 helps you to achieve precise and objective results at any time of day and under any environmental condition.

We develop optoelectronic devices and reagents to provide the user with objective results in mobile applications that are currently only available in stationary laboratories.

**P.I.A.** is not only an acronym for **Protzek Instrumentelle Analytik**, but also for **präcision, innovation**, and up-to-date **application**.



The optoelectronic P.I.A.3 Analyzer –  
light, mobile and user-friendly.



## P.I.A.3 Analyzer System – The cutting-edge testing device

### The mobile P.I.A.3 Analyzer

- P.I.A.3 is an optoelectronic analyzer system, light, mobile, and user-friendly. The system uses specific algorithms to measure and calculate the drug concentration (excretion equivalent in ng/mL) in a sample using calibration curves pre-stored in the system. P.I.A.3 is able to see much more than the unassisted human eye and is independent of lighting conditions.
- P.I.A.3 is easy to use and provides objective test results – anywhere and anytime. The element of „human error“, and thus the number of false-positive test results, is reduced significantly.
- P.I.A.3 combines the advantages of rapid drug screening tests with the precision of laboratory-based tests – including calibration, quality control, and evaluation.
- P.I.A.3 provides results not only in qualitative mode, i.e., as negative or positive, but also in semi-quantitative mode, i.e., as a digital value in ng/mL. You are able to combine your own observations (e.g., typical drug-induced symptoms) with the measurement of P.I.A.3, and, thus, to achieve a significantly better result.
- P.I.A.3 is able to detect and document up to 12 different parameters in one measurement process.

### Your Advantages at a Glance

- Convenient handling via touch screen – even while wearing gloves
- Individually customized parameters and cut-offs
- Individually adjustable mode of analysis (qualitative or semi-quantitative)
- Sample material: Oral Fluid, blood, urine, substances
- Results also available in ng/mL
- Results with 20 seconds
- Data may be exported as well as imported

### Technical Data

- Stand-alone unit connectable via PC or bidirectional network
- Integrated touchscreen with LCD
- LAN connection for networks plus 2 USB ports
- Linux operating system with RGB UV diodes
- HID scanners are supported
- 1 GB internal method memory
- Battery life of up to 8 hours



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