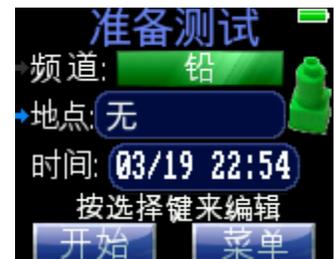


ANDalyze™ AND1100 Fluorimeter

The AND1100 Fluorimeter is a platform centric hand-held device for heavy metals testing for drinking water, environmental and industrial water supplies. It uses an extremely sensitive measurement technique to determine the toxicity levels of heavy metal concentration. The AND1100 Fluorimeter requires no special skills or knowledge of chemistry to operate, enabling field testing to be done in two steps in about one minute, eliminating or significantly reducing test expenditures, complexity and wait times experienced in traditional heavy metals water testing. It is a breakthrough in streamlining the water analysis and reporting processes and its powered by DNA. The AND1100 is design for use with all ANDalyze sensors.



- **Fluorescence Based Sensing** - The AND1100 fluorimeter produces quantitative fluorescence based results derived from the DNAzyme reaction.
- **Detector** – Uses a Photomultiplier Tube (PMT) for detection which is 1,000,000x as sensitive as a Photo Diode used in other similar fluorimeters.
- **Rugged & Convenient Construction** - Tough, light weight, impact and water resistant shell protects electronics.
- **Key Pad** - Quick, simple menu navigation and one button push for sample analysis.
- **Data Capture & Reporting** - Time and date stamped with sample number. Data downloadable through a USB cable.
- **Portable** - Battery operated and rechargeable through USB cable or traditional adapter.
- **Video Training** - Embedded instructional video trains users without documentation.
- **Safe and Maintenance Free** - CE Marked and water and dust resistant with IP54 enclosure rating. Free software upgrades via USB connection over the Internet.
- **Supports Multiple Languages** - Selectable display languages including English, Chinese, Spanish, Portuguese, and German.



AND1100 Specifications

Instrument

Source Lamp: Light Emitting Diode (LED)
 Detector: Photomultiplier Tube (PMT)
 Filters: Excitation: 485nm
 Emission: 535nm

Power

Source: Rechargeable Lithium-Ion battery pack
 Power Recharging: via USB cable
 Power usage: The battery lasts over 225 tests on a full charge (at 45 seconds/test).

Display

Type: Passive Matrix OLED
 Screen Size: 1.7" diagonal size, 33.6mm x 27mm
 Resolution: 160 x 128 resolution, 65K true to life colors

Note: All specifications are subject to change without notice.

Mechanical

Dimensions: Width: 3.6 inches/9.14 cm
 Depth: 8.0 inches/ 20.3 cm
 Height: 2.25 inches/ 5.72 cm
 Weight: 1.25 lb/565 g
 Enclosure Rating: IP54 (water & dust resistant)

Data

Interface: USB type Mini-B
 Data Storage: 1000 site/sensor combinations
 (Result, Site, Date, Time, Sensor)
 Format: Downloaded in csv format. Exportable from InstraComm Lite to txt or xls formats

Compliance

ISO 9001:2008 Certified Assembly
 European CE Mark
 Korean KC Mark



Real-Time Water Testing Powered by DNA