

# CONTAMINATION SPECTROMETER

ENGLISH



# Contamination Spectrometer



## Application

Detection of contamination in soils and sediments up to a depth of 80 cm

## Detectable Contaminants



Diesel fuel / Oil



Petrol



Gold tailings



Platinum tailings

## Detection Principle

Looking for »spectral fingerprints« of contaminants



Visualization of contamination intensity on four-step-scale

## Advantages

- Test takes only a few seconds
- Visual and acoustic signalling
- Built-in light source, independent of daylight
- Lightweight design
- No chemicals needed
- Easy to use, can be operated by non-specialists

## Detailed Specifications

Weight: **1.2 kg**

Dimensions: **75 x 8 cm, size of tablet 8"**

Battery: **3400 mAh, > 8 h sampling**

Spectral range: **1100 - 2200 nm**

Light source: **integrated tungsten lamps**

Measurement: **< 10 sec (when calibrated)**

Maximum depth of measurement: **80 cm**

## Output

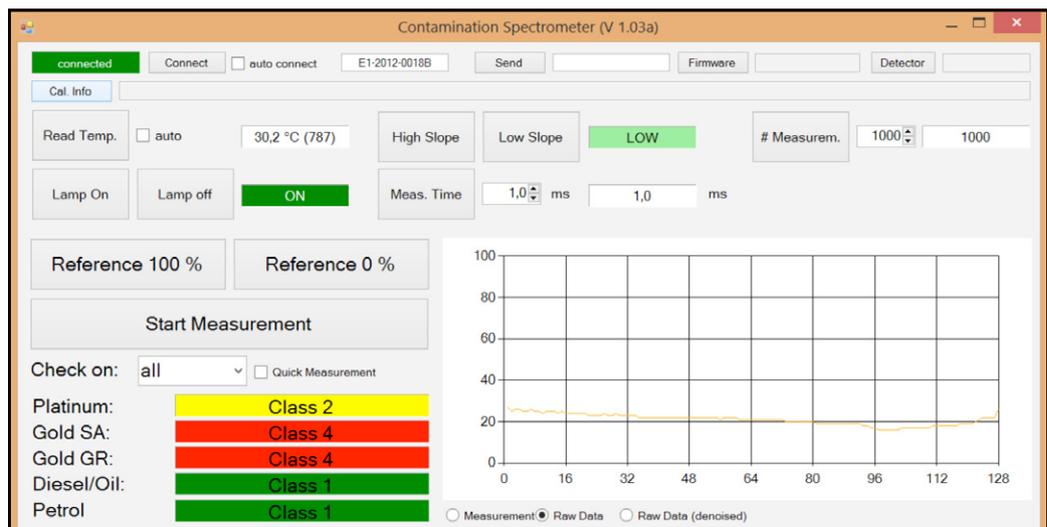
Visual and acoustical: **Grading of results into 4 colour coded classes from GREEN = »uncontaminated« to RED = »severely contaminated«**

Graphical: **Diagram displaying the observed spectrum**

Data table format: **CSV**

Spectra Saving: **automatically**

## Screenshot of included Software



## Application Examples



Testing of gold tailing substratum



Testing of diesel contaminated soil