



**ColiMinder**  
rapid microbiology by VWM SOLUTIONS



## 15 MIN - FULLY AUTOMATED MEASUREMENTS OF MICROBIOLOGICAL WATER QUALITY

### KEY FEATURES

- ✓ Fully Automated Sampling, Measurement, Cleaning, Calibration
- ✓ 1000 Measurements without Staff Intervention
- ✓ Online Visualisation and Automatic Notification (Email, SMS)



#### **E. COLI**

Specific indicator of faecal contamination



#### **ENTEROCOCCI**

Specific indicator of faecal contamination



#### **TOTAL ACTIVITY**

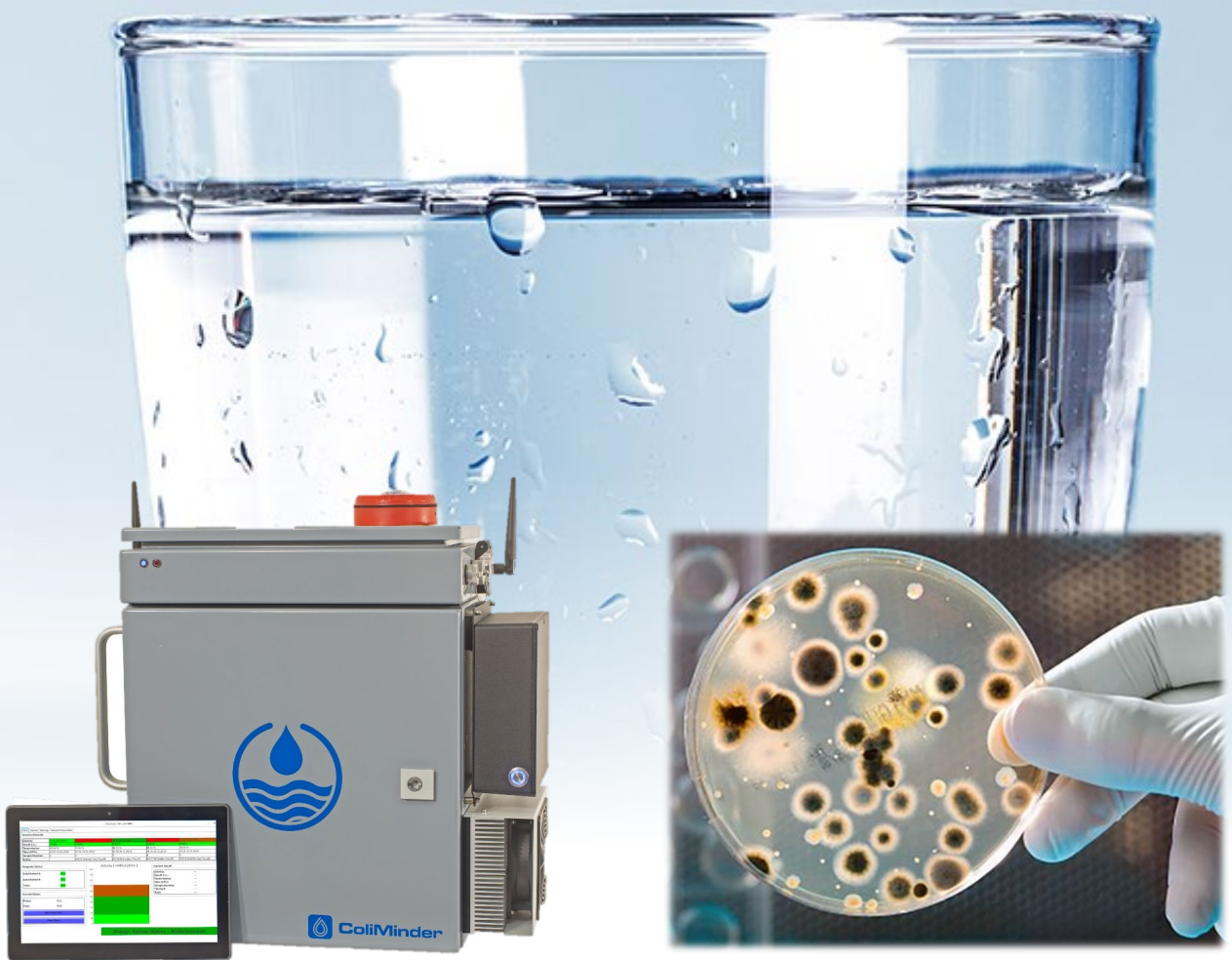
bulk parameter of total microbiological activity



#### **TOTAL ACTIVITY MINERAL WATER**

bulk parameter of total microbiological activity for mineral waters with high mineral content





## ColiMinder Rapid Microbiology Result in **15 Minutes**

The ColiMinder is measuring the metabolic activity of microorganisms present in the sample. This metabolism takes place through enzymes and is most basic indication of viable organism since it reflects the energy that the cell takes from the environment.

The metric is the enzymatic activity per volume of a specific enzyme. It reflects the energetic turnover of the target organisms per volume or in other words the concentration of living target organisms, which represents the degree of contamination.

## Manual Lab Methods Result in **1 to 3 days**

Traditional culture-based laboratory methods use the fact that living organisms may proliferate and this way multiply to large numbers (cell colonies) and thus become visible. The number of colonies formed is used to as a measure for the degree of contamination.