



### Our solution for safe drinking water:

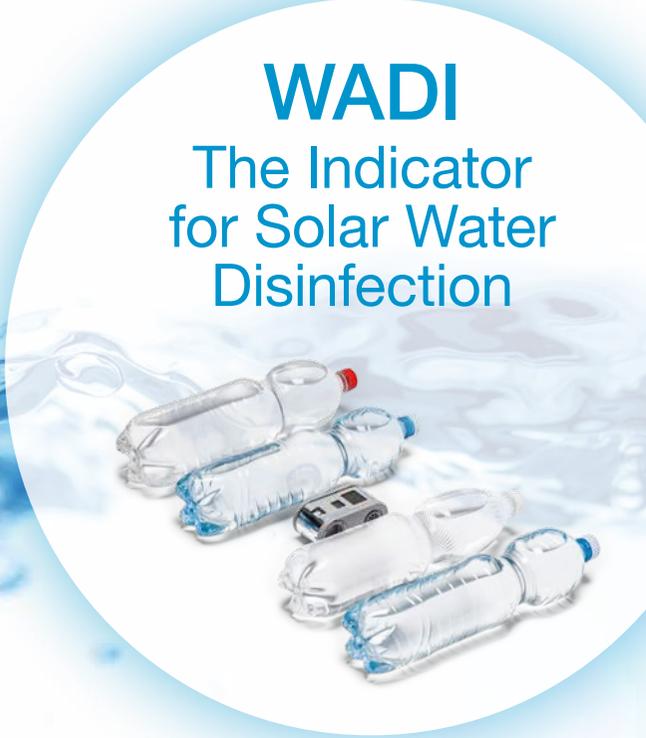
Solar Water Disinfection in combination with the WADI indicator provides households, schools and communities with a cost-effective and sustainable solution for access to safe drinking water.

### What is Solar Water Disinfection?

Solar Water Disinfection (SODIS) describes a natural process, in which the UV-radiation of the sun inactivates harmful pathogens in the water. PET plastic bottles are filled with contaminated water and are then exposed to sunlight. Over time, the sun's UV-radiation will make the contaminated water safe to drink. The SODIS method was researched and developed by the Swiss water research institute Eawag, and is approved and endorsed by WHO and by UNICEF.

### What is WADI?

WADI makes the use of SODIS more reliable and practicable. WADI is a solar powered UV-measurement device that is placed next to the PET plastic bottles and serves as an indicator for SODIS. A happy smiley face on the WADI display indicates the point in time at which the UV-radiation of the sun has made contaminated water in PET plastic bottles safe to drink.



**WADI**  
The Indicator  
for Solar Water  
Disinfection

safe water. easily.

### Scientific product performance:

WADI meets WHO microbiological performance criteria for household water treatment technologies and is classified as providing targeted protection. WADI performs highly against bacteria and protozoa, and demonstrates reasonable performance against viruses.



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## Advantages of WADI

### Sustainable

No maintenance  
No spare parts  
2-year warranty



### Practicable

Water resistant and  
dust proof (IP65)  
Easy to transport



### Scalable

Simultaneous use of  
many plastic bottles

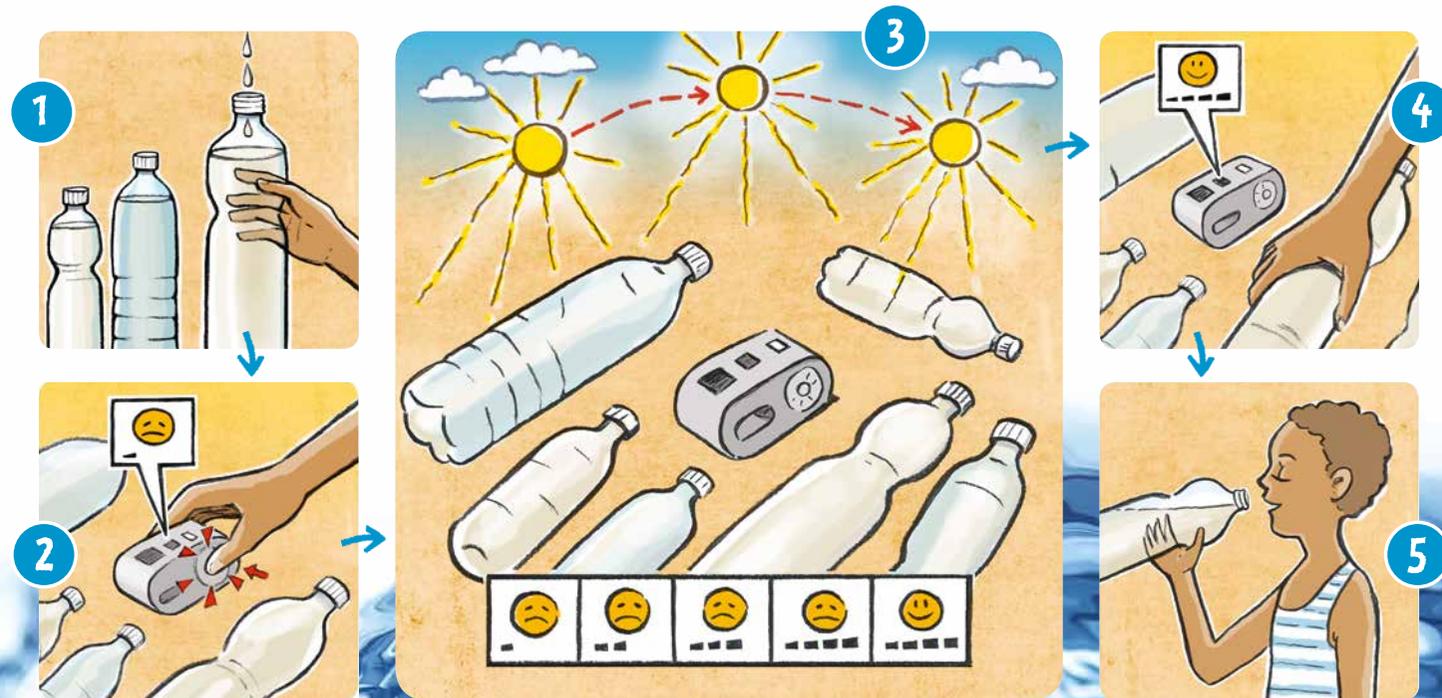


### Environmentally friendly

No batteries  
No chemicals  
No CO<sub>2</sub> emissions



## Application of WADI



1. Fill plastic bottles with water.\*
2. Expose the plastic bottles and WADI to the sun, and press its reset button.
3. Wait for some hours while the sun disinfects the water.

4. Watch a happy smiley face appear on the WADI display.
5. Water is ready for consumption.

\* Do not use very turbid water, or water polluted with metals or harmful chemicals. Use PET plastic bottles with a maximum volume of three liters only.