

# Quick Start Guide SITA ConSpector

## Monitoring the bath contamination

### Sampling

Take samples at a well-mixed and representative sampling location. Always carry out measurements at the same sample temperature. Allow samples to cool down to room temperature before starting the measurement.

### Checking the device

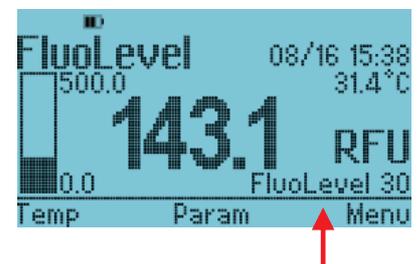
Check the device regularly to identify contamination on the immersion probe (light conductor and limiter). Use the stand and place the immersion probe in the clean and empty stainless steel cup; cover it with the respective lid (blank measurement set-up). To start the device check select Menu>Checking.



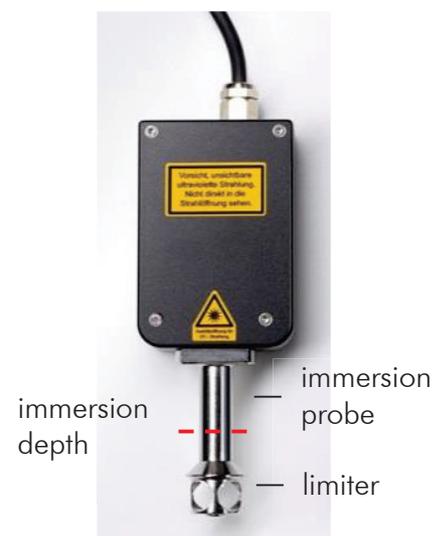
measuring set-up SITA ConSpector

### Measuring the bath contamination

1. Switch on the SITA ConSpector (press **o**-key for 2 s).
2. Choose the desired measuring profile. The active measuring profile appears at the lower right edge of the display. Use the arrow selection keys **Liquid** to change the profile.
3. Place the stainless steel beaker filled with approx. 80 ml of the sample liquid (approx. 1 cm below the rim of the beaker) on the support surface of the magnetic stirrer. Place a magnetic stick in the beaker and turn the rotary knob to mid position.
4. To immerse the immersion probe into the sample liquid, lower the device holder by using the star knob screw (see set-up in picture above). Immerse the immersion probe approximately half way into the bath sample. The limiter should rest against one side of the beaker.
5. Use the lid to cover the bath sample.



active profile



6. While measuring, mix the sample thoroughly using the magnetic stirrer. Observe the correct sample temperature (temperature indication on the display)
7. To start the measurement, press the **START** key.
8. Write down the measured value.

**Please note:** The device comes with an internal data logger. In the default settings all measuring values are automatically saved within the used profile. To export measured values use the software SITA-ProcessLog. The measured values can be displayed on the device by pressing the **read** key.

9. Rinse off the immersion probe with water (e.g. using a spray bottle). Continue measuring with the next sample.

## Cleaning

After finishing the measurements, carefully rinse off the outside of the immersion probe using water. Unscrew the limiter of the immersion probe. Carefully clean the visible part of the glass light guide using cotton sticks soaked in water or alcohol. Please avoid damaging the light guide.



You can pre-clean the immersion probe with a mild cleaning solution. To do so, please prepare the measuring arrangement with screwed-on limiter and using the cleaning solution instead of a sample.

Use demineralized water to rinse off cleaning agents and other residues after cleaning using water. Check the result (see 'Checking the device') and repeat the cleaning process if necessary.

Please clean the stainless steel beaker after use.

Further information on cleaning can be found in the operating instructions.