

Routine Measurement

1. Press  key.
2. Rinse out a clean vial three times with the sample to be tested. Fill the vial with the sample and cap ensuring that all outside surfaces are clean and dry.
3. Place the vial in the sample chamber and align correctly \bar{x} .
4. Put on the sample chamber cover (light shield).
5. Press  or  key to start measurement.
6. Record the NTU value.

Read/Avg = Measurement with averaging

User-Calibration

1. Press  key.
2. Place the <0.1 NTU standard in the sample chamber, making sure that the marks \bar{x} are aligned.

Put the sample chamber cover on and press  key.

Reading starts automatically after count down.
3. Invert the 20 NTU standard and place it into the sample chamber, making sure that the marks \bar{x} are aligned.

Put the sample chamber cover on and press  key.

Reading starts automatically after count down.
4. Invert the 200 NTU standard and place it into the sample chamber, making sure that the marks \bar{x} are aligned.

Put the sample chamber cover on and press  key.

Reading starts automatically after count down.
5. Invert the 800 NTU standard and place it into the sample chamber, making sure that the marks \bar{x} are aligned.

Put the sample chamber cover on and press  key.

Reading starts automatically after count down.
6. Press  key to store or press  to cancel calibration.

Correct Storing and Handling Standards

- T-CAL standards should always be stored in their original vial.
- Store standards between 5 and 25°C (avoid prolonged exposure to temperatures exceeding 35°C).
- Store away from direct sunlight.
- Always allow the standard to acclimatise to ambient instrument temperature before use (not to exceed 35°C).
- T-CAL Standards have a shelf life of minimum 12 month if stored correctly.

Using <0.1 NTU Standard

After delivery allow the vial to stand for least 24 hours before use.

Never shake or invert this <0.1 NTU standard.

If the standard has been shaken it can take several hours for all the bubbles dissipate and we suggest the vial is left for at least 24 hours as outlined above.

If the standard has been inverted accidentally wait at least 15 minutes before using.

Preparing and Using Standards – infrequent use

Note: These instructions apply to all standards excepted the <0.1 NTU standard. If you are using the <0.1 NTU standard follow the instructions above.

These instructions apply to standards that have been sitting undisturbed for more than one week or to new standards.

1. Shake the standard vigorously for 2-3 minutes.
2. Let the vial stand undisturbed for 5 minutes.
3. Invert the vial between 5-10 times.
4. Immediately place the vial in the sample chamber and wait for 1 minute (count down).

Preparing and Using Standards – frequent use

Note: These instructions apply to all standards excepted the <0.1 NTU standard. If you are using the <0.1 NTU standard follow the instructions given above.

These instructions apply to frequently used standards (daily or weekly usage).

1. Invert the vial 10 times.
2. Immediately place the vial in the sample chamber and wait for 1 minute (count down).