

Please read the instruction carefully before using your RFI hand held refractometer.

Operation

Step 1

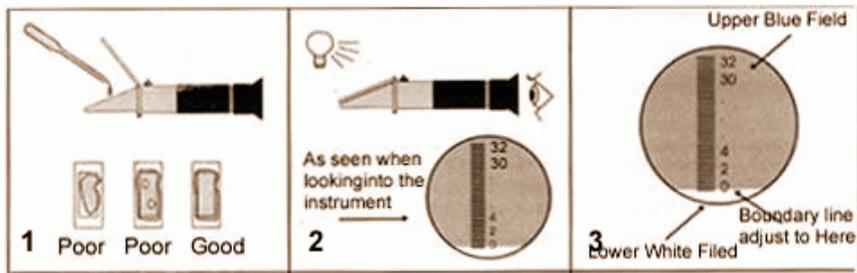
Flip open the daylight plate on top of the refractometer. Place 2 - 3 drops of the specimen on the main prism. Close the daylight plate so the sample spreads across the entire surface of the prism without air bubbles or dry spots.

Step 2

Hold the refractometer (daylight plate) in the direction of a light source and look into the eyepiece. You will see a circular field with graduations down the center (you may have to focus the eyepiece to clearly see the graduations). The upper portion of the field should be blue, while the lower portion should be white.

Step 3

Take the reading where the boundary line of the blue and white intersect at the graduated scale. Clean the prism carefully using a damp soft cloth. DO NOT immerse refractometer in water.



Calibration Procedure

Step 1

Open daylight plate, and place 2 - 3 drops of distilled water on the main prism. Close the daylight plate so the water spreads across the entire surface of the prism without air bubbles or dry spots. Allow the sample to test on the prism for approximately 30 seconds before moving to step 2. This allows the sample to adjust to the ambient temperature of the refractometer.

Step 2

Hold daylight plate in the direction of a light source and look into the eyepiece. You will see a circular field with graduations down the center (you may have to focus the eyepiece to clearly see the graduations). The upper portion of the field should be blue, while the lower portion should be white.

Step 3

Look into the eyepiece and turn the calibration screw until the blue and white intersect at 0.0ppt.

Important!

Accurate measurement depends on careful calibration. Follow the instructions above closely. The prism and sample must be at the same temperature for an accurate result.

Do not expose the instrument to damp working conditions, and do not immerse the instrument in water. If the instrument becomes foggy, water has entered the body.

Clean the instrument between each measurement using a soft, damp cloth. Failure to clean the prism on a regular basis will lead to inaccurate results and damage to the prism's coating.

Warranty

One year warranty from the purchase date. Please contact Reef Fanatic @ reef@reeffanatic.com or your dealer for warranty.



www.reeffanatic.com