

## Handheld 0-28% Brine & Salinity Refractometer



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### Product Description

Salinity or salt refractometer for seawater, brine and brackish water. Indian ocean seawater for example is 36 or 37 ppt.

**Measuring Ranges:** 0-28% of NaCl

**Divisions:** 0.2%

**Accuracy:**  $\pm 0.2\%$

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## Technical Specifications

| Specification            | Details                         |
|--------------------------|---------------------------------|
| Brand                    | Ecotao                          |
| Model Number             | RHS-28ATC                       |
| Measuring Range          | 0-28%                           |
| Type                     | Optical (visual), natural light |
| Temperature Compensation | Yes (ATC): 0-30°C               |
| Resolution               | 0.2% salinity                   |
| Accuracy                 | Salinity: +/-0.2%               |
| Length                   | <20cm approx                    |
| Weight                   | <0.2kg                          |
| Package Weight           | 1 kg                            |
| Package Dimensions       | 25 × 10 × 10 cm                 |

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## Applications

- Salinity measurement
- Seawater analysis
- Brine testing
- Brackish water salt content measurement

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## Calibration Instructions

### Initial Setup

1. **Focus adjustment:** Focus the eyepiece so that you can clearly read the scale

2. **Calibration with fresh water:** Add a drop of fresh water to the prism
3. **Close cover:** Ensure no air bubbles are trapped - the fluid should spread across the entire surface
4. **Wait:** Allow 30 seconds for temperature stabilization
5. **View under light:** Look through the eyepiece under adequate lighting
6. **Zero adjustment:** Adjust the blue horizon line to zero using a screwdriver or adjustment nut (depending on model design)
7. **Clean:** Dry with a clean cloth or tissue after calibration

### **Taking Measurements**

1. **Add sample:** Place a drop of your test sample on the prism
2. **Close cover:** Ensure no air bubbles are present
3. **Read measurement:** The salinity content is indicated by the blue horizon line position
4. **Clean and store:** Dry and clean the prism, then replace in storage container

## Product details



Imported prism



Metal calibration knob



Adjustment focus



Non-slip silicone handle

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### Additional Notes

- Use fresh water to zero the instrument during calibration
  - The refractometer uses natural light for optical measurements
  - Automatic Temperature Compensation (ATC) function operates between 0-30°C
  - Suitable for measuring seawater salinity levels (typical Indian Ocean seawater measures 36-37 ppt)
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