



# Portable Salinity Refractometer

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## Portable Salinity Refractometer

Portable salinity refractometer is a microprocessor controlled pocket sized optical instrument with three scales of measurement. Equipped with a standardized Brix scale for easy read and accuracy. Automatically turns off after one minute of non-use. Ideal for determining refractive index, concentration of salt and specific gravity of solutions.

### Features

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- Instant measurement readings
- Digital meter displays easy to read results
- LCD screen to display measurement data in one view
- Automatic and zero calibration with distilled or tap water
- Abrasion and corrosion-resistant coating on sapphire prism

### Applications

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Used in determining salt content of sea water, saline solution in laboratories, research institutes, pharmaceuticals, chemical industry, etc.

## Specifications

Model	LPSR-A10
Salinity range	0.0 ~ 28 %
Refractive index	1.3330 nD ~ 1.3900 nD
Specific gravity	1.000 ~ 1.217
Salinity resolution	0.1 %
Salinity accuracy	± 0.2 %
Temperature	0 °C ~ 50 °C (32 °F ~ 144 °F )
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams

Model	LPSR-A11
Salinity range	0.0 ~ 100 %
Chlorinity range	0.0 ~ 57 %
Refractive index	1.3330 nD ~ 1.3530 nD
Specific gravity	1.000 ~ 1.070
Temperature	0 °C ~ 50 °C (32 °F ~ 144 °F )
Salinity resolution	1 %
Salinity accuracy	2 %
Chlorinity resolution	1 %
Chlorinity accuracy	2 %
Battery	1.5 V
Dimensions	121 × 58 × 25 mm
Weight	90 grams