

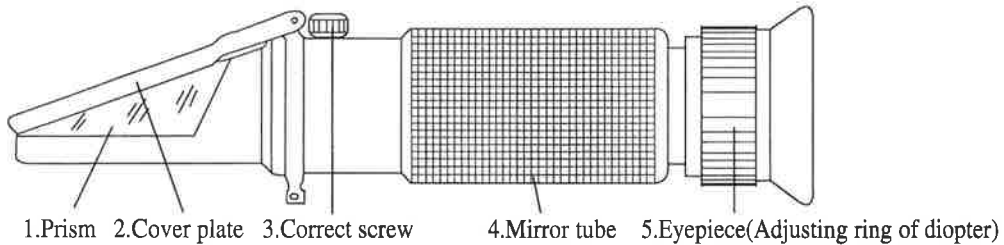
Hand Refractometer Instructions Operating

SERIES

STYLE	MODEL	MEASURING RANGE	RESOLUTION	SIZE(mm)	WEIGHT (g)
	ORD/ATC			ORD/ATC	ORD/ATC
Salinity	WZ201/211	0~100‰ salt	1‰	28/30 × 40 × 205	200/275
		1.000~1.070 sg	0.001		
	WZ201B/211B	0~10% salt	0.1%	28/30 × 40 × 205	200/275
	WZ202/212	0~28% salt	0.2%	28/30 × 40 × 170	185/215
Brix/ Salinity	WZ203/213	0~10% Brix	0.1%	28/30 × 40 × 205	200/275
		0~100‰ Salt	1‰		
		1.000~1.070 sg	0.001		
	WZ204/214	0~32% Brix	0.2%	28/30 × 40 × 170	185/215
0~28% Salt	0.2%				

ORDinary: If the condition temperature isn't 20°C, it need to adjust the zero for the measuring accuracy.
 ATC(Automatic Temperature Compensation): the ATC device is a built-in type. Its compensation temperature range: 10°C~30°C

NAME OF COMPONENTS



METHOD OF OPERATION

1. Aim the front end the refractometer to the direction of bright, and adjust the adjusting ring of diopter 5 until the reticle can be seen clearly.

2. Adjustment of null

Open the cover plate 2, drop distilled water one or two drops on the surface of the prism. Cover the cover plate, rotate and adjust the correcting screw 3 to make the light/dark boundary coincide with null line.

(Salinity/ATC Model should adjust at 20°C environmental temperature)

3. Open the cover plate 2 and clean the water on the prism and cover plate by soft cotton flannel, then drop one or two drops liquid which is needed to be checked on the prism surface and cover the cover plate. The corresponding dial reading of the light/dark boundary can get the percent of the salt content of the liquid.

4. The carved line on the left of scale indicates the specific gravity of the sodium chloride liquor.

5. After measurement, Please clean directly the liquid which had been measured on the surface of prism by soft cotton flannel. After drying, please keep appropriately in store.
6. WZ203 and WZ204 are models that integrated the index of Brix and Salinity into one unit. We can measure Brix and Salinity with one unit conveniently. WZ203 is equivalent to the combination of WZ101&WZ201, and WZ204 is equivalent to the combination of WZ103&WZ202.

ATTENTIONS AND MAINTENANCE

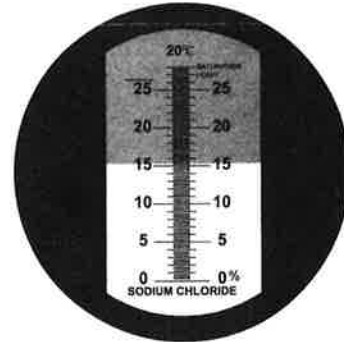
1. Adjusting the null liquid and specimen should be under the same temperature, if the temperature varied greatly, the null point should be adjusted once per 30 minutes.
2. The prism must be cleaned completely, because any residual impurity on it could cause error during measuring.
3. After usage, don't use water to wash the instrument, so as to avoid water entering into the pipe of the instrument.
4. As it is a kind of precision optical instrument, you should hand it gently and take good care of it. don't touch and scratch the optical surfaces. It should be kept in the environment of dry, clean and non-corrosiveness air, so as to prevent the surface of it turning mouldy and foggy. Please avoid strong shock during transportation.
5. If the consumers use the instrument in accordance with the mentioned method of usage, it guarantee that instrument can't break down, the optical performance can't change.



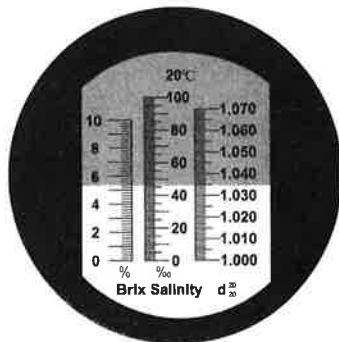
WZ201/211



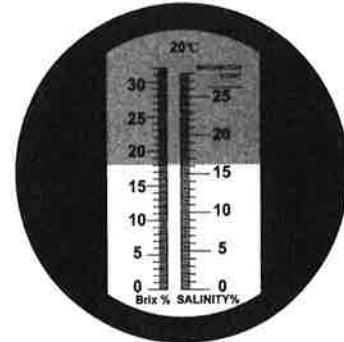
WZ201B/211B



WZ202/212



WZ203/213



WZ204/214

ACCESSORY

- | | |
|-------------------|---|
| 1. Eyeshade | 1 |
| 2. Burette | 2 |
| 3. Screw driver | 1 |
| 4. Cleaning cloth | 1 |