

All-Purpose Refractometer



Features

Ideal optical instrument for measuring the content of dissolved solids in aqueous solutions
 Makes use of the light bending principle by focusing the light on a tiny internal scale
 Handheld and light weight
 Easy to calibrate
 Ease of use by just placing a drop of the sample on the measuring surface
 Unique ViewPoint Illuminator for simple reading of test results
 Easy to maintain with minimal effort for cleaning surfaces

Application Areas

Industry and research fields for measuring the concentration of different types of aqueous solutions
 Food processing industry for measuring the sugar concentration of soft drinks, juices and other beverages
 Checking flavoring solutions for canned and bottled foods
 Brewing and wine industry for checking the sugar content of fruits and grapes
 Fertilizer selection and food evaluation

Digital Refractometer			
Model	Classification	Range	Resolution
BR0035	BRIX	0-35%	0.1
BR000035nD	BRIX	0-35%	0.1
BR000035nD	REFRACTLY INDEX	1.3330-1.3900	0.0003
BR000045	BRIX	0-45%	0.1
BR000045nD	BRIX	0-45%	0.1
BR000045nD	REFRACTLY INDEX	1.3330-1.4089	0.0003
BR2865	BRIX	28-65%	0.1
BR2865nD	BRIX	28-65%	0.1
BR2865nD	REFRACTLY INDEX	1.3770-1.4535	0.0003
BR5892	BRIX	58-92%	0.1
BR5892nD	BRIX	58-92%	0.1
BR5892nD	REFRACTLY INDEX	1.4370-1.5090	0.0003
SA0028	SALINITY	0-28%	0.1
SA0028nD	SALINITYREFRACTLY INDEX	0-28%	0.1
SA0028nD	REFRACTLY INDEX	1.3330-1.3900	0.0003
UR-1	URINE SPG	1.000-1.050	0.0001
UR-1	URINE SPG	1.000-1.050	0.001
UR-1nD	SERUM P.	0-12	0.1
UR-1nD	REFRACTLY INDEX	1.3330-1.3900	0.0003
WN-1	MASS S/W	0-35%	0.1
WN-1	VOL AP	0-22%	0.1
WN-1	Oe	0-150	10.1
WN-1	KMW	0-25	
BR-SA-1	BRIX	0-35%	0.1
BR-SA-1	SALINITY	0-28%	0.1
BR-SA-1	REFRACTLY INDEX	1.3330-1.3900	0.0003



Hand-held Refractometers





How the refractometer is used

Open the protection plate

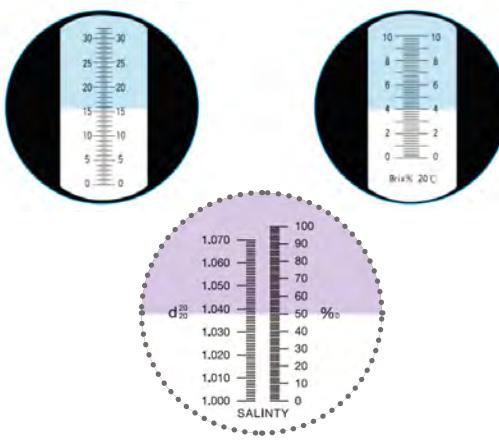
Place a drop of the sample on the viewing area

If hot or warm, let the sample cool down

Close the protection plate

Look through the viewfinder and find the line marking the split between the light and dark area

Read the value that coincides with the split line



Classification	Model	Range	Resolution	Dimention	Weight
Sugar	BR0010N	0-10%	0.1	27x40x210	215
	BR0018N	0-18%	0.1	27x40x190	200
	BR0032N	0-32%	0.2	27x40x160	176
	BR2862N	28-62%	0.2	27x40x148	176
	BR5890N	58-90% Brix 38-43 ° Be' 12(17)-27% Water	0.5% Brix 0.5 ° Be' 1% Water	27x40x160	176
	BR0010T	0-10%	0.1	29x40x210	230
Sugar/ Temperature offset	BR0018T	0-18%	0.1	29x40x210	215
	BR0032T	0-32%	0.2	29x40x160	215
	BR2862T	28-62%	0.2	29x40x148	215
	BR5980T	58-90% Brix 38-43 ° Be' 12(17)-27% Water	0.5% Brix 0.5 ° Be' 1% Water	29x40x160	
Salt	SA0010N	0-100‰ 1.000-1.070sg	1‰ 0.001	27x40x190	200
	SA0028N	0-28%	0.2%	27x40x160	176
	SA0010T	0-100‰ 1.000-1.070sg	1‰ 0.001	29x40x190	220
Salt/ Temperature offset	SA0028T	0-28%	0.2%	27x40x190	220
	AL-1 N	0-80% v/v	0-60%:1% 60-80%:2.5%	27x40x190	200
	AL-2 N	0-80% w/w	0-60%:1% 60-80%:2.5%	27x40x190	200
	AL-3 N	0-25% v/v	0.1%	27x40x150	175
Alcohol	AL-4 N	0-25% v/v 0-40% Brix	0.1% v/v 0.2% Brix	27x40x150	175
	AL-5N	0-25% v/v 0-20% Baume	0.1% v/v 0.2% Baume	27x40x150	175
	WN-1N	0-140%Oe 0-25KMW(Babo)	1 0.2	27x40x150	175
	WN-2N	0-170%Oe	2	27x40x150	175
Wine	WN-3N	0-140%Oe 0-32%Brix	1 0.2	27x40x150	175
	AL-3T	0-25% v/v		27x40x150	200
	AL-4T	0-25% v/v 0-40%Brix	0.1% 0.2%	27x40x150	200
	AL-5T	0-25% v/v 0-20%Baume	0.1% 0.2%	27x40x150	200
Alcohol / Temperature offset	WN-1T	0-140%Oe 0-25% KMW(Babo)	1 0.2	27x40x150	200
	WN-2T	0-170% Oe	2	27x40x150	200
	WN-3T	0-140%Oe 0-32%Brix	1 0.2	27x40x150	200