



The Mobile Refractometer

HR Hand Refractometer

These are precision instruments for determining the solid contents dissolved in liquids, such as sugar, salt, serum protein in blood and starch. A few drops of the sample is placed on the refractometer prism and the index of refraction is measured. From this, dissolved solids can be determined in seconds. This method is very useful for process or quality control of beet or cane sugar, fruit juices, jam, vegetable juices, soft drinks, and conned foods to name a few applications. The hand refractometer fits in every pocket! Delivered in a handy storage case with conversion tables.

	Measurement	Scale division
Hand Refractometer without TC.		
HRN 18/1	0 - 18%	0,1%
HRN 18/2	0 - 18%	0,2%
HRN 32	0 - 32%	0,2%
for sugar concentration in fruit juices, vegetables, foods and for cooling lubricants		
HRO 32	0 - 32%	0,2%
Oechsle	0 - 130	1
HRN 62	28 - 62%	0,2%
for analysing chemical and technical liquids, such as oils, fats, coolants, lubricants		
HRN 82	45 - 82%	0,5%
HR 92	concentration 58 - 92%	0,5%
	water 12 - 37%	0,1%
for examination of highly concentrated sugars, determination of water content in honey, and analysing fats, lubricants and cooking oil		
HRM 18	as HRMT 18	
HR 27/100	0 - 10%	0,1 %
for salinity analysis		
HRS 16	0 - 16 %	0,2%
for salinity analysis		
	1,333 - 1,373 nD	
HRKFZ 1	0 - 50%	
Anti freeze and battery fluid		
for etylen glycol		
	1,10 - 1,30	
for batterie fluid		
	5%	
Hand Refractometer with automatic temperature compensation		
HRT 32	0 - 32%	0,2%
HRT 62	28 - 62%	0,2%
HRMT 180	0 - 12g/dl	0,2 g/dl
for determination of serum protein, and specific urine weight		
	1,000 - 1,045	0,005

