



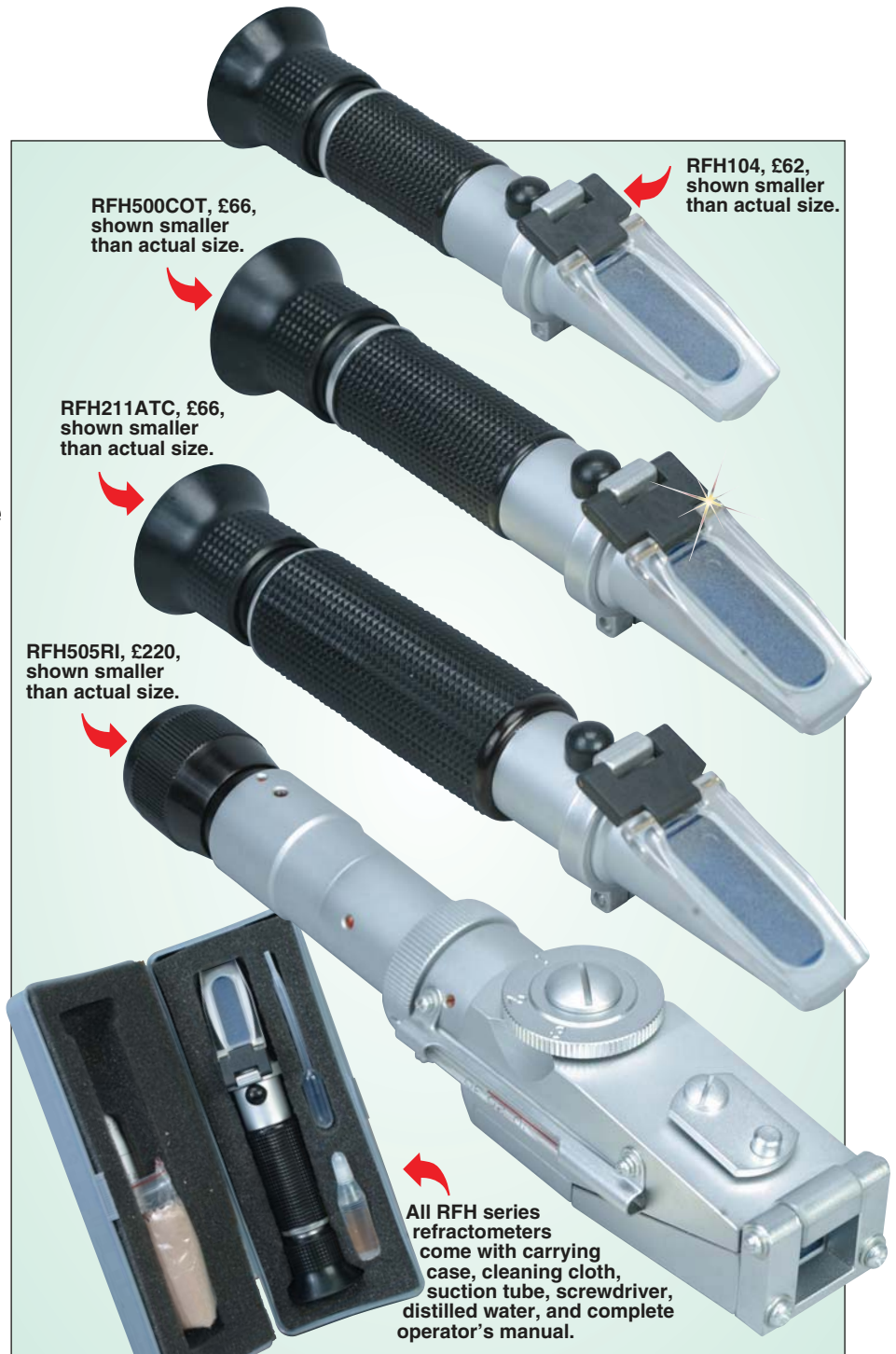
# HANDHELD REFRACTOMETERS

RFH Series  
Starts at  
**£62**



- ✓ Metal Body
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OMEGA's RFH Series refractometers are instruments that determine the concentration of an aqueous solution by measuring its refractive index. All water-based solutions can make light bend. The bending of light increases at a rate proportional to the increasing solution concentration. The handheld refractometer is a precise optical instrument. It is small, light, needs only a few drops of solution to take a measurement and is very user friendly. Refractometers are used throughout the food, agriculture, chemical, and manufacturing industries. Our analogue and digital refractometers are among the finest optical instruments in the world. We offer a complete line of refractometers that are suitable for all applications: Brix (Brix Scale = number of grams of cane sugar dissolved in 100 ml of distilled water), alcohol, propylene glycol, protein in serum, salinity, specific gravity, industrial fluids, refractive index (nD), along with many other scales that provide the user with limitless flexibility.



## Handheld Salinity Refractometers

To Order (Specify Model Number)								
Model No.	Price	Scale	Range	Resolution	ATC	Description/Applications	Dimensions mm	Weight g
RFH201	£62	Salinity	0 to 10%	1.00%		Seawater and brine	30 x 40 x 190	185
RFH211ATC	66	Salinity 1.00 to 1.07 sp gr	0 to 10%, 0.001 sp gr	1%	10 to 30°C with ATC	Salinity or density and solutions	30 x 40 x 190	200
RFH202	62	Salinity	0 to 28%	0.20%		Food processing, canning and seawater	30 x 40 x 190	175

Comes with cleaning cloth, suction tube, screwdriver, carrying case, distilled water and complete operator's manual.

Ordering Examples: RFH211ATC, refractometer for seawater density and solutions with ATC, £66.

The RFH101 thru RFH107 and the RFH112 thru RFH114 are ideal for monitoring sugar concentrations in foods and beverages. Some common applications are controlling ripeness of fruit in the field and measuring fruit juices, wine, honey, soft drinks, and industrial fluids.

The RFH200 Series is ideal for the measurement of salinity, saltwater, and brine, and for food processing and canning applications.

The specialty refractometers have a wide range of applications, from ethylene and propylene glycol to proteins.



### Handheld Brix Refractometers

To Order (Specify Model Number)								
Model No.	Price	Scale	Range	Accuracy/Resolution	ATC	Description/Applications	Dimensions mm	Weight g
RFH101	£62	Brix	0 to 10%	0.1%		Low-concentration juices and industrial fluids	30 x 40 x 190	155
RFH111ATC	66	Brix	0 to 10%	0.1%	10 to 30°C	Low-concentration juices and industrial fluids with ATC	30 x 40 x 190	155
RFH102	62	Brix	0 to 18%	0.2%		Fruit juices, soft drinks, grape wine and industrial fluids	30 x 40 x 170	185
RFH112ATC	66	Brix	0 to 18%	0.2%	10 to 30°C	Fruit juices, soft drinks and industrial fluids with ATC	30 x 40 x 170	185
RFH103	62	Brix	0 to 32%	0.2%		Fruit juices, soft drinks and industrial fluids	30 x 40 x 170	185
RFH113ATC	66	Brix	0 to 32%	0.2%	10 to 30°C	Fruit juices, soft drinks and industrial fluids with ATC	30 x 40 x 170	200
RFH104	62	Brix	28 to 62%	0.2%		Concentrated fruit juices	30 x 40 x 150	160
RFH114ATC	66	Brix	28 to 62%	0.2%	10 to 30°C	Concentrated fruit juices and canned foods that use a sugar infusion with ATC	30 x 40 x 150	160
RFH105	62	Brix	45 to 82%	0.5%		Concentrated fruit juices, condensed milk, liquid sugar and jam	26 x 40 x 150	160
RFH106	62	Brix	58 to 90%	0.5%		Honey, jam and marmalade	30 x 40 x 160	175
RFH107	220	Brix	0 to 90%	0.1%		Fruit juices, soft drinks and industrial fluids	40 x 40 x 160	180

Comes with cleaning cloth, suction tube, screwdriver and complete operator's manual.

Ordering Examples: RFH111ATC, refractometer for low-concentration juices and industrial fluids with ATC, £66.

### Specialty Refractometers

To Order (Specify Model Number)								
Model No.	Price	Scale	Range	Accuracy/Resolution	ATC	Description/Applications	Dimensions mm	Weight g
RFH109B	£66	nD	1.43 to 1.52	0.001		Handheld refractive index measurement	26 x 40 x 125	175
RFH312ATC	66	Sp. Gr.; RI	0 to 12 g/dl, sp. gr.: 1.0 to 1.050, Refractive Index: 1.330 to 1.360 RI	0.001	10 to 30°C	Measures the specific gravity and refractive index of urine, blood serum, plasma, albumen and protein with ATC	30 x 40 x 160	175
RFH401	62	Sp. Gr.; °F	Sp. Gr.: 1.15 to 1.3, -60 to 32°F	0.01 s.g., 2°F	10 to 30°C	Measures the freezing points of ethylene and propylene glycol coolants and specific gravity of battery fluid	40 x 40 x 160	180
RFH402	62	Sp. Gr.; °C	Sp. Gr.: 1.15 to 1.3, -50 to 0°C	0.01 s.g., 1°C	10 to 30°C	Measures the freezing points of ethylene and propylene glycol coolants and specific gravity of battery fluid	40 x 40 x 160	180
RFH500COT	66	nD	1.333 to 1.384	0.01		Oil, water, coolants, cleaning solutions, fire extinguishers, chromatating solutions, plating and acid baths, anodizing solutions	26 x 40 x 170	175
RFH505RI	220	nD	1.333 to 1.520	0.001		Measures mineral oil left in a compressor when changing to polyol ester.	30 x 40 x 190	600

Comes with cleaning cloth, suction tube, screwdriver, carrying case and complete operator's manual.

Ordering Examples: RFH211ATC, refractometer for seawater density and solutions with ATC, £66.

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