

# Refractometers

## Handheld Refractometers

### Eclipse Range

Offering the best in quality and performance at an affordable price, the ergonomic, robust design is particularly user friendly ensuring high accuracy, simplified operation and with easy-to-clean surfaces. High quality optics combined with precision manufacturing give optimum operation in the field.

- High precision, clear, easy to read scale,
- Comfortable eyepiece with smooth adjustment
- Low weight, balanced design
- Hand grip for comfort and insulation
- Push-on replaceable flap
- Unique sample 'dribble' feature for ease of use
- Supports prevent instrument from rolling
- Easy-clean prism
- Simple Zero Adjust (on appropriate models)



Product No	Scale	Range	Divisions
<b>11363/01</b>	Sugar (Brix)	0 - 15%	0.1
<b>11363/02</b>	Sugar (Brix)	0 - 30%	0.2
<b>11363/03</b>	Sugar (Brix)	0 - 50%	0.5
<b>11363/04</b>	Sugar (Brix)	30 - 65%	0.2
<b>11363/05</b>	Sugar (Brix)	45 - 80%	0.2
<b>11363/06</b>	Sugar (Brix)	75 - 93%	0.2
<b>11363/07</b>	Water in honey	10 - 25%	0.2
<b>11363/08</b>	Wine (Zeiss)	10 - 135	0.5
<b>11363/09</b>	Wine (Oeschle-CH)	0 - 130	1
<b>11363/10</b>	Wine (Oeschle-D)	30 - 130	1
<b>11363/11</b>	Probable Alcohol	0 - 21%	0.2
<b>11363/12</b>	Starch	0 - 30%	0.5
<b>11363/13</b>	Refractive Index	1.33 - 1.42	0.002
<b>11363/14</b>	Arbitrary	0 - 30%	0.2
<b>11363/15</b>	Antifreeze/Battery Acid		
	Propylene Glycol	0 to -40%	5
	Ethylene Glycol	0 to -40%	5
	Battery Acid (S.G.)	1.10 to 1.35	0.05
<b>11363/16</b>	Salinity/Saline	0 - 16%	0.1
<b>11363/17</b>	Seawater	0-160o/oo	1
<b>11363/18</b>	Clinical Serum Protein	0.16g/100ml	0.2/100ml
	Clinical Urine (S.G.)	1 - 1.04	0.001

### Low Volume Models-Sugar (Brix Scale)

The following models have a specially designed prism flap for measuring sample volumes of about 1 $\mu$ l. They are commonly used by botanists for the study of nectars

Product No	Range	Divisions
<b>11364/01</b>	0 - 50%	0.2
<b>11364/02</b>	45 - 80%	0.2

### Automatic Temperature Compensation Model

This instrument automatically compensates according to the variation of Refractive Index of sugar solutions as the temperature changes. The compensation range is 10-30 $^{\circ}$ , based on a reference temperature of 20 $^{\circ}$ C.

Product No	Range	Scale division	Accuracy
<b>11365/01</b>	ATC	0.2	$\pm$ 0.2

