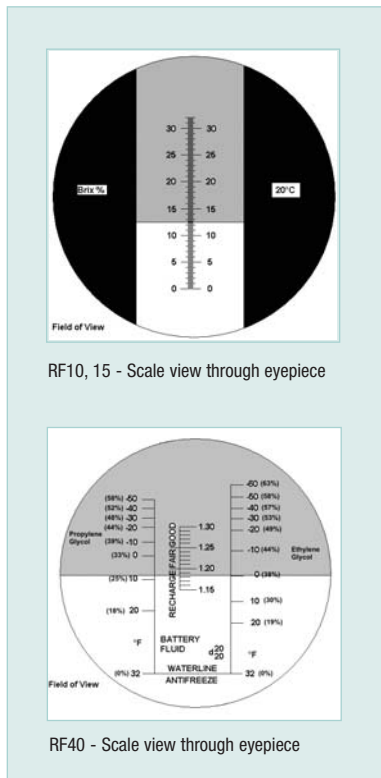


# Portable Refractometers

**Measure the concentration of Sugar, Salt, Lubricants, Antifreeze, Cutting Fluids & more**  
Available with or without Automatic Temperature Compensation

## Features:

- Easy to operate refractometers provide accurate and repeatable measurements on easy to read scales
- Automatic temperature compensation models available for sugar, salt, lubricants, cutting fluids, and antifreeze
- Requires only 2 or 3 drops of solution
- The prism and lens with a simple focus adjustment provides repeatable results
- Complete with carrying case and calibration screwdriver



RF10, 15 - Scale view through eyepiece

RF40 - Scale view through eyepiece

| Specifications                  |                                 |  |            |          |
|---------------------------------|---------------------------------|--|------------|----------|
| Model                           | Type                            | Ranges   | Resolution | Accuracy |
| RF16                            | Sucrose                         | 0 to 10% Brix  | 0.1        | ±0.1%    |
| RF11                            | Sucrose (ATC)                   | 0 to 10% (10 to 30°C)  | 0.1        | ±0.1%    |
| RF18                            | Lubricants/Cutting fluids       | 0 to 18% Brix  | 0.2        | ±0.2%    |
| RF12                            | Lubricants/Cutting fluids (ATC) | 0 to 18% Brix (10 to 30°C)                                   | 0.2        | ±0.2%    |
| RF10                            | Sucrose                         | 0 to 32% Brix  | 0.2        | ±0.2%    |
| RF15                            | Sucrose (ATC)                   | 0 to 32% Brix (10 to 30°C)                                   | 0.2        | ±0.2%    |
| RF20                            | Salt (ATC)                      | 0 to 100ppt (10 to 30°C)                                     | 0.001      | ±0.1%    |
| 1.000 to 1.070 Refractive Index |                                 |  |            |          |
| RF40                            | Coolant (ATC)                   | -60 to 32°F Propylene Glycol freeze point                    | 2°F        | ±2%      |
|                                 |                                 | -60 to 25°F Ethylene Glycol freeze point                     | 2°F        | ±2%      |
|                                 |                                 | 1.15 to 1.30 Specific Gravity of Battery Acid                | 0.01       |          |
| RF41                            | Coolant (ATC)                   | -50 to 0°C Propylene Glycol freeze point                     | 1°C        | ±2%      |
|                                 |                                 | -50 to 0°C Ethylene Glycol freeze point                      | 1°C        | ±2%      |
|                                 |                                 | 1.15 to 1.30 Specific Gravity of Battery Acid                | 0.01       |          |
| RF30                            | Triple Range General Service    | 0 to 41% Brix  | 0.2        | ±0.2%    |
|                                 |                                 | 42 to 71% Brix   | 0.2        | ±0.2%    |
|                                 |                                 | 72 to 90% Brix   | 0.2        | ±0.2%    |
| Dimensions/Wt                   |                                 | RF10/RF15: 6.6 x 1.6 x 1.2" (170 x 40 x 30mm)/ 7oz (200g);   |            |          |
|                                 |                                 | RF11/RF16: 7.5 x 1.6 x 1.2" (190 x 40 x 30mm)/ 6.5oz (185g); |            |          |
|                                 |                                 | RF12/RF18: 6.7 x 1.6 x 1.2" (170 x 40 x 30mm)/ 6.5oz (185g); |            |          |
|                                 |                                 | RF20: 7.6 x 1.5 x 1.5" (194 x 38 x 38mm)/ 8oz (227g);        |            |          |
|                                 |                                 | RF40/RF41: 6.2 x 1.6 x 1.2" (160 x 40 x 30mm)/ 6.3oz (180g)  |            |          |
|                                 |                                 | RF30: 7.9 x 1.5 x 1.1" (200 x 38 x 28mm)/ 21.86oz (620g)     |            |          |

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