

## Portable Refracto-Polarimeter RePo-1



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### A fusion of index of refraction and angle of optical rotation making the invisible, visible.

Brix can only indicate the overall amount of dissolved solids in a solution. With REPO-1, it is possible to determine if a product has been adulterated by measuring the optical rotation. Announcing an All-in-One, refractometer and polarimeter hybrid unit. As little as 3mL sample, Repo-1 can measure both brix and optical rotation of the sample. With the press of a button, purity, international sugar scale, specific rotation, and concentration can be displayed. Users can also set an upper and lower measurement limit. An indicator light alerts the user if a measurement value is within the limits, allowing for optimal efficiency. "Could a Repo-1 be used in our field?" "How about for my unique application?" We look forward to hearing from you!

#### Specifications

Model	RePo-1
Cat.No.	5010
Measurement Readings	Angle of rotation, International Sugar Scale, purity, Specific Rotation, Concentration, Brix, Temperature
Range	Angle of Rotation: -5.00 -5.00° *Convertible to -25.00° to +25.00° with a 100mm observation tube *Convertible to -50.00° to +50.00° with a 200mm observation tube International Sugar Scale: -130 to +130°Z Brix: 0 to 85% Temperature: 15.0 to 40.0°C
Resolution	Angle of Rotation: 0.01° Brix: 0.1% International Sugar Scale: 0.1°Z Temperature: 0.1°C
Accuracy	Angle of Rotation: ±0.1°(20°C) International Sugar Scale: 3°Z, Brix: ±0.2% Temperature: ±1°C
Temperature compensation	Brix: 15 to 40°C, Purity: 18 to 40°C, International Sugar Scale: 18 to 40°C
Light source	LED
Measurement Time	12 seconds
Power Supply	Size AAA alkaline battery x 4
International Protection Class	IP67

#### Options

- Standard liquid Repo-series : RE-99110
- MAGIC™ for RePo : RE-79000
- RePo Small Volume Adapter : RE-72093