



RICO

Established 1973

POLARIMETER - 220 m. m.

Model-RSPT-1 & 3



TYPICAL APPLICATIONS

OPTICAL ROTATION

MEASUREMENT OF

★ SUGAR SOLUTIONS

★ SUGAR IN URINE

★ GLUCOSE DRIP & OPTICAL
ROTATION

SALIENT FEATURES

★ TOTALLY ENCLOSED

★ TWIN SCALE ANGULAR & SUGAR

★ ACCURACY OF .02% & 0.05° ISS

★ ROTATING HALF SHADOW EFFECT

★ HEAVY CASTED STREAMLINED
BODY

Qualification Certificates i.e. Performance, Design, Operational
& Installation are provided with the Instrument.

The well known 'Rico' Polarimeter Model RSPT-1 & 3 form a suitable companion instrument for the refractometer, indeed, it should be side by side in the laboratory Whereas the refractometer gives the total solids present in a sugar solution. The polarimeter discriminates between right-handed sugars, such as sucrose, and left-handed sugars such as levulose, etc.

The Model RSPT-1 'Rico' Polarimeter 220 mm is an improved optical system in which the half shadow system is in front, at the circle end of the instrument. The following additional advantages are then available :

1. Permanent focus : that is to say, once the dividing line is focused to suit the eye this focus is never disturbed by inserting tubes of sugar or other solutions, regardless of the fact that they may be completely homogenous, or of the length of the tube.
2. Permanent good definition even with difficult Liquids.
3. The half shadow system rotates with the circle thus affording immediate indication of the direction of rotation of the material being examined.

SPECIFICATIONS:

Scales : Angular 0.360° subdivided to 1° Micrometer drum enable direct reading to 0.5° and by estimation to 0.2°

Sugar : -30 to +130 ISS Micrometer drum enables reading to .01 sugar degree directly and to 0.5 sugar degree by estimation.

Source : SODIUM LAMP 35 Watts. White light can be used upto 12°

MODEL RSPT-3

'Rico' Polarimeter, 220 M.M., Model : RSPT-3 having the following additional advantages :

1. The optics & Triple field shadow are fabricated from Imported glass and Quartz.
2. The triple shadow system is better to comprise the field illumination at the time of measurement (reading).
3. The International Sugar Scale range is higher i.e. -130 to +130.
4. Vernier Micrometer graduation is more to take the reading in more accuracy.

ORDERING INFORMATION

1. Polarimeter as described above with one tube (100 mm tube unless otherwise specified) but without sodium lamp & choke.
2. Sodium lamp stand & choke.
3. Non rolling tubes - length upto 220 mm (specify length).
4. Cementless water jacketed Tubes.



Polarimeter 400 mm.
Model No. : RSPT 485

NOTE : Because of a policy to continual development, the company reserves the right to amend specifications, designs and price without notice.

We also manufacture :

* Abbe Refractometer Improved Model RSR-2 * Infra Red Moisture Balance, Digital Bomb Calorimeter * Abbe Refractometer * Pocket Refractometer B & S Type 0.05% & 40-85% * Oil & Sugar Refractometer * Carbon & Sulphur Determination Apparatus * Ultra Violet Cabinets * Freeze-Dryers, * Paint Testing Equipments i.e., Digital Stormer Viscometer, Digital Gloss Meter, Impact testers, Scratch testers etc. * Oil testing instruments