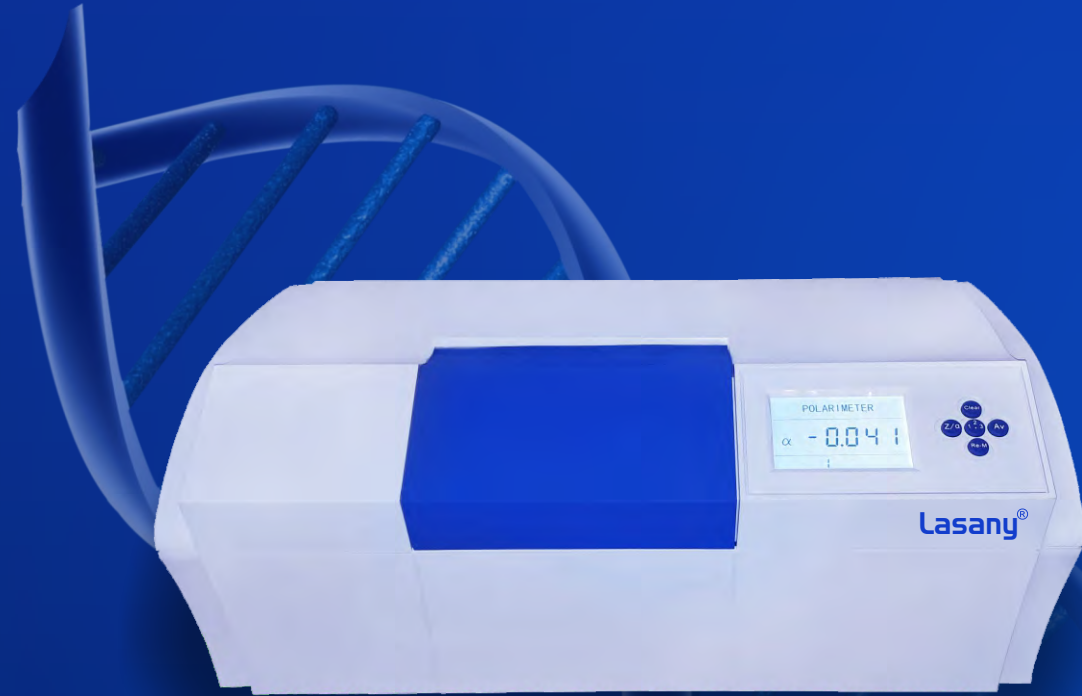


Lasany[®]

**DIGITAL
AUTOMATIC POLARIMETER
MODEL : LI-P701**

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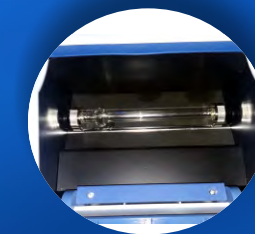
APPLICATIONS

- Quality and Process Control Application
- Pharmaceutical Industry
- Flavor, Fragrance and Essential Oil Industry
- Food Industry
- Chemical Industry
- Sugar Industry
- Teaching in Colleges & Universities
- Research Institute

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**Perfection in
Laboratory Science**

CE ISO 9001:2008
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A polarimeter is a scientific instrument used to measure the angle of rotation caused by passing polarized light through an optically active substance.

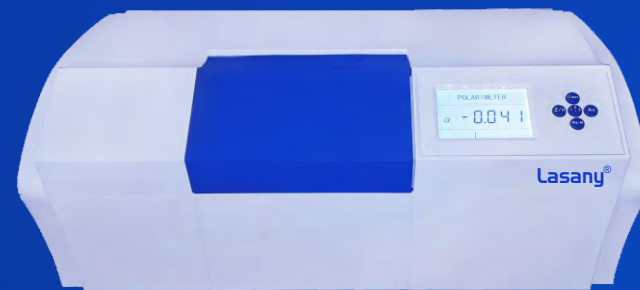
Some chemical substances are optically active, and polarized (uni-directional) light will rotate either to the left (counter-clockwise) or right (clockwise) when passed through these substances. The amount by which the light is rotated is known as the angle of rotation. The angle of rotation is basically known as observed angle.

SALIENT FEATURES

- Automatic Polarimeter instrument used to measure specific optical rotation of optically active substance
- Measuring optical rotation and sugar degree
- Storage of three times results
- Built in auto controlling system with servomechanism
- Calculation of average values
- Automatic Measurement
- Measurement of dark colored sample
- RS232 Interface

Specifications

Model	LI-P701
Test Modes	optical rotation, sugar degree
Light source	LED
Wavelength	589nm
Measurement	±45° (optical rotation) ±120° Z (sugar)
Minimum indicating value	0.001° (optical rotation) 0.01° Z (sugar)
Accuracy	±(0.01+ measurement value x 0.05%)° (optical rotation) ±(0.03 + measurement value x 0.05%)° Z (sugar)
Repeatability	<0.002° (optical rotation)
Display	LCD
Test tube	200mm, 100mm
Sample transmittance	> 1%
Interface	Rs232
Operation voltage	220V ± 22V,50Hz or 110V, 60HZ
Overall Dimensions	730mm x 480mm x 470mm
Weight (Grass)	36kg



MEASURING MODES

1. Optical Rotation
2. Sugar Degree



Sample compartment .



RS 232 Port

Power Supply



Monitoring Display

Standard Accessories

1. Sample Tubes 100mm, 200mm
2. Software Cable
3. Main Lead
4. Fuse
5. Instruction manual