

Order Code - 58036



The Automatic touch screen polarimeter 58036 provide excellent application modes Without Sacrificing accuracy and precision it is an ideal instrument for various application.

Features

- Touch Screen Colour Display
- Temperature Display
- Need not prewarm when turning on.
- Measuring specific rotation, optical rotation, sugar degree and concentration
- Automatic repetition-measurement for 6 times, and calculation of average value and means square root
- Measurement of dark-colored sample
- USB & Rs232
- Response Time 3° /sec.
- Faraday mangneto-optical modulator
- Polarizer Polarizing film
- Digital Polarimeter based on Optical null principle
- No warm-up time is required when instrument is switched on
- Insulated Sample chamber to keep sample temp. constant
- Photodiode Detector
- Purity method - saccharic concentration

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

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Website: www.tescaglobal.com

Technical Specification

4 Test modes	Optical rotation, specific rotation sugar degree and concentration
Light source	LED
Measurement range	$\pm 45^\circ$ (optical rotation $\pm 120^\circ$ Z(sugar))
Wavelength	589.3nm
Minimum indicating value	0.001°
Accuracy	(optical rotation) a) $\pm 0.01^\circ$ ($-15^\circ < \text{optical rotation} < +15^\circ$) b) $\pm 0.02^\circ$ (optical rotation $< -15^\circ$ or optical rotation $> +15^\circ$)
Repeatability	0.002° (optical rotation)
Display	Color Touch Screen
Test tube	200mm, 100mm
Sample transmittance	$> 1\%$
Interface:	USB & Rs232
Operation voltage	220V \pm 22V, 50Hz
Overall Dimensions	850mm x 500mm x 470mm
Weight(Gross)	38 kg
Software	Yes

There are four Measuring Application modes.

- 1. OPTICAL ROTATION
- 2. SPECIFIC ROTATION
- 3. CONCENTRATION
- 4. SUGAR DEGREE

Optical Rotation :

- 1. OPTICAL ROTATION
- 2. SPECIFIC ROTATION
- 3. CONCENTRATION
- 4. SUGAR DEGREE

Specific Rotation :

- The Specific Rotation Measure Mode Measuring
- The Specific Rotation of Sample.

Note: Specifications are subject to change.

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There are four Measuring Application modes.

- Optical Rotation
- Specific Rotation
- Concentration
- Sugar Degree



Sample compartment

Optical Rotation :

- Optical Rotation
- Specific Rotation
- Concentration
- Sugar Degree



Optical rotation, Measuring modes:
modes: optical rotation, specific rotation, concentration and Sugar degree.

Specific Rotation :

- The Specific Rotation Measure Mode Measuring
- The Specific Rotation of Sample.

Concentration :

- The Concentration Measure Mode Measuring
- The Concentration Value of the Sample.

Sugar Degree ::

- The Sugar Degree Measure Mode Measuring
- The Sugar Scale Degree of Sample of Sugar Solution.



press 'tubelength' to change the length

Standard Accessories

- Software Kit : RS232 Cable, Software CD
- Main Lead
- Fuse
- Instruction manual



press 'ReMeas' to test the sample.

Optional Accessories

- Sample Tubes 100mm, 200mm

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