

FEATURES

MAP40T

- ◆ Measuring Specific Rotation Optical Rotation, Concentration and Sugar Degree.
- ◆ Polarimeter adopts the principle of photoelectric automatic measurement.
- ◆ 4 measurement modes to choose. It automatically retested 6 times and calculate the average value
- ◆ Touch screen Colour Display.
- ◆ USB communication Interface.



SPECIFICATIONS

HSN : 90275030

PRODUCT NAME	AUTOMATIC POLARIMETER
MODEL	MAP40T
Display	Touch screen
Measuring Mode	Optical Rotation, Specific Rotation, Sugar Degree, Concentration
Light Source	LED + Interference Filter
Wavelength	589.44nm
Measuring Range	$\pm 45^\circ$ (Optical Rotation)
Measuring Range - Sugar	$\pm 120^\circ Z$
Minimum Indication Value	0.001°
Repeatability- Optical Rotation	$\leq 0.003^\circ$
Test Tube – Standard	100mm & 200mm
Transmission	10%
Interface	USB
Power Supply	AC 220V / 50Hz
Dimension & Gross Weight	730 x 480 x 470 mm & 36kg

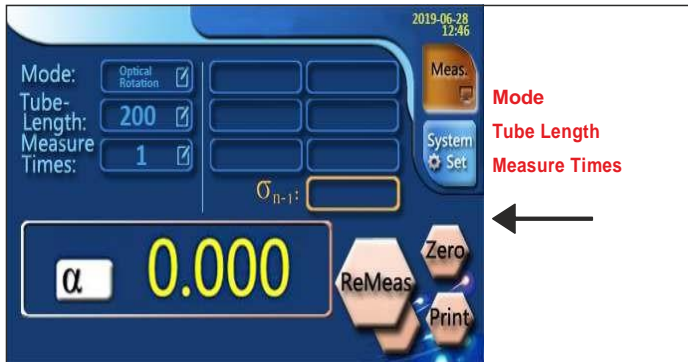
* Specifications are subject to change without Notice

Monotech Lab Instruments and Calibration

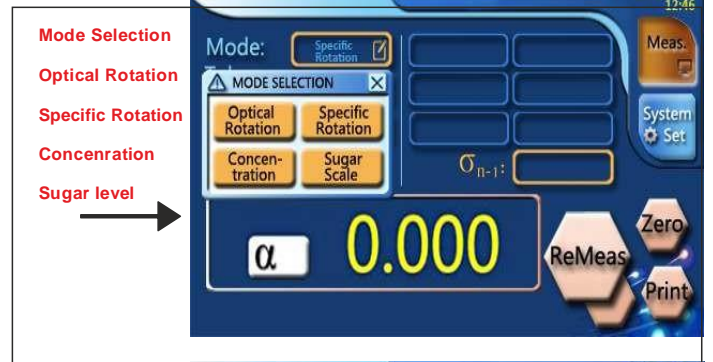
B-9, Shabnam Building, MEK Industrial Estate, Opp. Fire Brigade, Mumbra, Dist. Thane 400612 Maharashtra

Functions

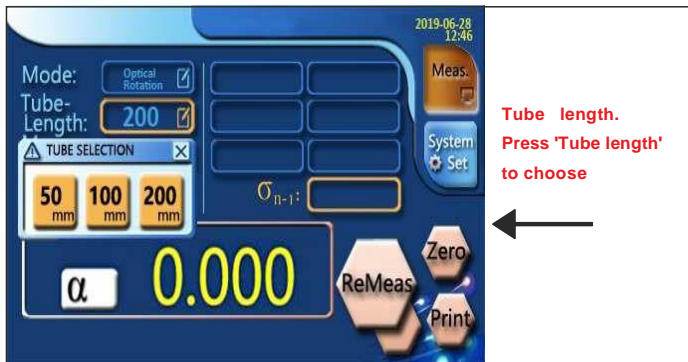
MAP40T



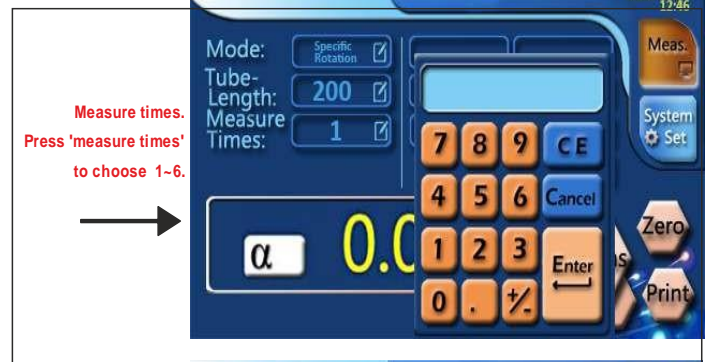
Mode
Tube Length
Measure Times



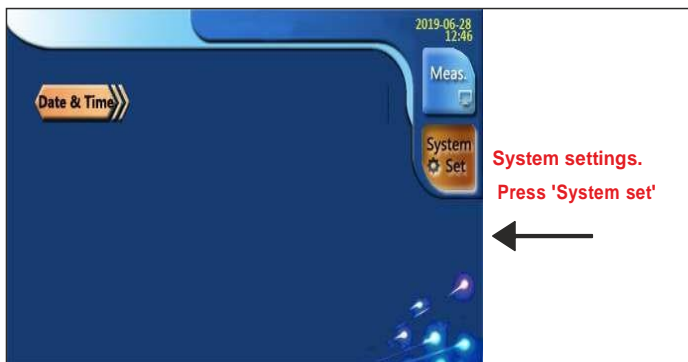
Mode Selection
Optical Rotation
Specific Rotation
Concentration
Sugar level



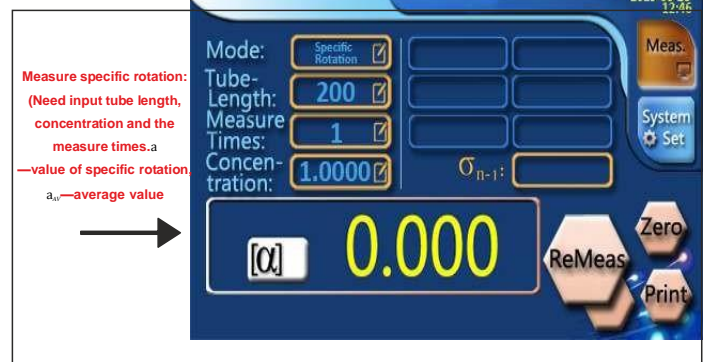
Tube length.
Press 'Tube length'
to choose



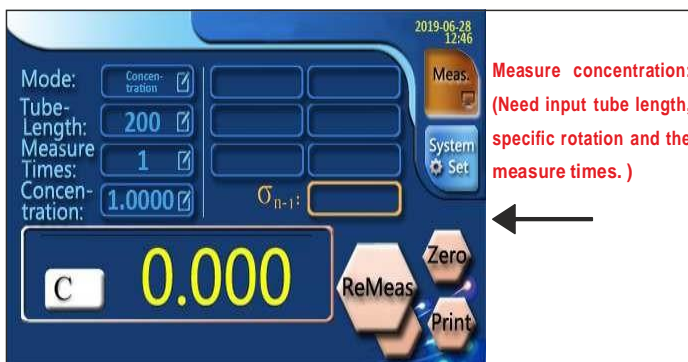
Measure times.
Press 'measure times'
to choose 1-6.



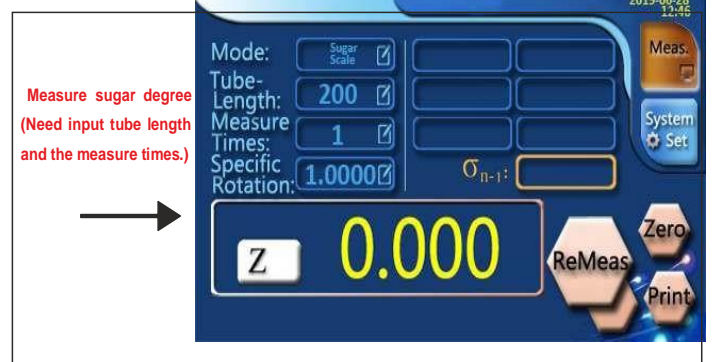
System settings.
Press 'System set'



Measure specific rotation:
(Need input tube length,
concentration and the
measure times.)
 α_w —average value



Measure concentration:
(Need input tube length,
specific rotation and the
measure times.)



Measure sugar degree
(Need input tube length
and the measure times.)