



## Analytical Balance & Scientific Instruments



### SALIENT FEATURES



### DIGITAL AUTOMATIC POLARIMETER

- Polarimeter instrument used to measure specific optical rotation of optically active substance
- Built in auto controlling system with servomechanism
- Search Zero point automatically.
- Auto judge substance form levorotatory or dextrorotatory
- Automatic measurement.
- Storage of three times results.
- Interface RS232

### SPECIFICATIONS

MODEL	LMDP-01
Make	LABMAN
Measurement Range	-45° ~ +45°
Accuracy	(a.) $\pm 0.02^\circ$ (-15° optical rotation 15°) (b.) $\pm 0.05^\circ$ (optical rotation < or optical rotation >15°)
Repeatability	0.01°
Display	LCD
Minimum indicating value	0.001°
Monochromatic Light Source (Sodium lamp)	589.44nm
Length of Test Tube	(100mm and 200mm) 1 each
Power supply	220V / 50Hz
Dimensions (mm)	730x450x370
Gross Weight	31 kg



## Analytical Balance & Scientific Instruments



### SALIENT FEATURES



### DIGITAL AUTOMATIC POLARIMETER

Polarimeter instrument used to measure Specific optical rotation of optically active substance.

Measuring specific rotation, optical rotation, concentration and sugar degree.

Automatic repetition-measurement for 6 times, and calculations of average value and means square root.

Built in auto controlling system with servomechanism

Search Zero point automatically.

Auto judge substance form levorotatory or dextrorotatory.

Automatic measurement.

Interface 232

### SPECIFICATIONS

MODEL	LMDP-02
Make	LABMAN
Measurement Range	-45° ~ +45°
Accuracy	± (0.01°+Measuring value x 0.05%)
Repeatability	0.003°
Display	LCD
Minimum indicating value	0.001°
Monochromatic Light Source (Sodium Lamp)	589.44nm
Length of Test Tube	(100mm and 200mm) 1 each
Dimensions (mm)	730x450x370
Power supply	220V / 50Hz
Gross Weight	31 kg



## Analytical Balance & Scientific Instruments



### SALIENT FEATURES



### DIGITAL AUTOMATIC POLARIMETER

- 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	LMDP-03
Make	LABMAN
Measurement Range	-45° ~ + 45°, -120° ~ +120°Z
Accuracy	a.) $\pm (0.01^\circ + \text{measuring value } 0.05\%)$ b.) $\pm (0.03^\circ\text{Z} + \text{measuring value } 0.05\%)$
Minimum indicating value	0.001°, 0.01°Z
Repeatability	sample transmittance > 1% 0.002° ( 0.006°Z)
Display	LCD
Monochromatic Light Source (Sodium Lamp)	589.44nm
Length of Test Tube	(100mm and 200mm) 1 each
Power supply	220V / 50Hz
Dimension (mm)	730x 450x370
Gross Weight	35 kg