

Sugars & Sweeteners



Essential oils



foods



ADP

Automatic Digital Polarimeter

Vitamins



Flavours & Fragrances



Pharmaceuticals

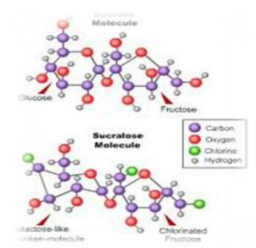


Specifications

Model	Configuration	Wavelength, nm	Light Source	Wavelength Change
ADP-S	Single Wavelength	589 nm (Sodium “D” line)	LED lamp	Fixed
ADP-MW	Multi Wavelength	589 nm + 633/578/546/436/405 nm *	Tungsten Halogen lamp	Automatic

*** Can choose either 2/3/4/5/6 wavelength system

Measuring Modes: Optical rotation, Specific rotation, Concentration and International sugar degree Z
 Automatic repetition-measurement for 6 times and calculation of average value and Means square root
 Principle: Built in microprocessor controlled optical null seeking
 Measurement range: Optical Rotation: $\pm 90^\circ$; Specific Rotation: $\pm 999.99^\circ$; Concentration: 0-99.9%
 International sugar scale (ISS): $\pm 259^\circ$ (Z°)
 Accuracy: $\pm 0.001^\circ$
 Reproducibility: $\pm 0.001^\circ$
 Resolution: 0.001°
 Polariser: Glan Thompson Calcite Prism
 Measurement of dark-coloured sample: able to measure dark samples with (up to optical density 4.0)
 Display: 8 inch Colour LCD Touch Screen
 Light Source: LED (20,000 Hours) / TUNGSTEN HALOGEN (5,000 Hours)
 Need not pre-warm when turning on.
 Automatic calibration
 Detector: Photomultiplier tube (PMT)
 Maximum cell length of sample: up to 200 mm
 Length of Measuring Cell: 200 mm / 100 mm / 50 mm.
 Built in Peltier facility to control the temperature of samples automatically
 Peltier Measuring Cell : 100 mm
 Temperature control range of peltier: 10°C - 50°C
 Temp. Accuracy: $\pm 0.1^\circ\text{C}$
 IQ/OQ/PQ documentation; cGLP compliance
 Communication Interface: 2 USB Ports, 1 VGA Port, 1 parallel printer port, 1 Ethernet Port
 User Interface: Touch screen



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