

**Product Name :**  
Automatic Digital Polarimeter

**Product Code :**  
PCR MACHINES0002

LAB ENGINEERING

### Description :

Automatic Digital Polarimeter

### Technical Specification :

The polarimeter is used for determining the optical rotation of substances. In this way, the concentration, purity, etc. of certain substances can be found out. Therefore, the polarimeter has become one of the most used instruments in laboratories of

superficial phenomena such as chiral, chiral, liquid crystal, chemical

#### SALE FEATURES

Touch screen colour display

Temperature display

Faraday magneto-optical modulator

polarizer Polarizing film

Digital Polarimeter based on Optical null principle

No waiting time is required when instrument is switched on

Measuring multiple samples (batch) sugar degree and concentration

Automatic repetition measurement for 6 times, and calculator of average value.

Measurement of dark-coloured sample

Response time 3"/sec.

Insulated Sample chamber to keep sample temp. constant

User can set repeating sample between 1 to 6

Photoelectric Detector

Clear display - date, time, measuring mode, length of tube, temp. test time, measured value (1 - 6 values), average value.

Purity method - saccharic concentration

ADP 99 - Peltier principle to control the temperature

#### APPLICATION

Pharmaceutical industry

Monitoring chemical processes

Purity control and determination of concentration

Characterization of new synthetic substances

Hospitals & Pharmacies

Chemical industry

Purity control and determination of concentration

Industrial laboratories (control and quality)

Determination of changes in the configuration

Pharmaceutical industry

Quality control of sugar and end product

Determination of food industry

Determination of concentration

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