

### Polarimeters

- Instrument for determining the optical rotation of the substances, the concentration, purity, sugar degree or content of active materials such as sugar solution, turpentine oil, camphor..
- Applications: food and feed analysis, oil analysis, sugar content, chemical industries..

#### 404 Polarimeter

- Uses double-vernier in reading.
- Measuring range of Optical rotation :  $\pm 180^\circ$ .
- Vernier value in reading:  $0,05^\circ$ .
- Eye piece with diopter adjust.
- Magnification of the reading lens: 4X.
- Maximum length of test tubes: 220 mm.
- Test tubes included: 100 mm and 200 mm.
- Stabilization time: 5/10 min.
- Zero through macro and micro drive.
- Light source sodium lamp: 589,3 nm.
- Dimensions: 540x220x380 mm.
- Weight: 14 Kg.



#### 414 Automatic Polarimeter WZZ-2

- Photoelectric detector.
- For measuring optical rotation.
- Automatic indication and digital display.
- Display digital 5 LCD.
- Measuring range :  $\pm 45^\circ$ .
- Accuracy:  $\pm 0,01^\circ$ .
- Repeatability:  $< 0,01^\circ$ .
- Minimum sample transmittance 10%.
- Minimum reading:  $0,002^\circ$ .
- Light source (sodium lamp): (589,44 nm).
- Interface RS232.
- Included: 100 and 200 mm tubes.
- Dimensions: 600x320x220 mm.
- Weight: 28 Kg.



#### 418 Automatic Polarimeter WZZ-2S

- Automatic measuring of optical rotation.
- Suitable for low transmittance samples.
- Automatic indication and digital display.
- Measuring range:  $\pm 45^\circ$ .
- Accuracy:  $\pm 0,01^\circ$ .
- Repeatability:  $> 1\% < 0,002^\circ$ .
- Available minimum sample transmittance: 1%.
- Minimum value in reading:  $0,001^\circ$ .
- Light source (sodium lamp): (589,44 nm).
- Interface RS232.
- Included: 100 and 200 mm tubes.
- Dimensions: 600x320x220 mm.
- Weight: 30 Kg.



4041 Tube 100 mm for polarimeter  
 4042 Tube 200 mm for polarimeter  
 4043 Sodium lamp for model 404

4044 Sodium lamp for WZZ

Calibration quartz tubes