

POLARIS



The Polaris Polarimeter is a high quality, low cost instrument capable of measuring the rotation of optically active samples and matches the performance of many digital instruments in the market today. The well known variable half waveplate effect is used to obtain a balance between the two halves of a circle when viewed through an eyepiece. The reading is then taken from the scale.

The Polaris accepts sample tubes of lengths up to 220mm and is used for measuring concentrations and optical rotations in the food, sugar, flavouring, fragrance, pharmaceutical and chemical industries.

Specifications include:

- Rotating polarimeter 360° with 180° left & right rotation
- Double vernier scale (accuracy 0.05°)
- Monochromatic light source of 589nm (20W Sodium bulb)

Product reference.
9100.0000

DIGI POLARIS



The all new digital polaris includes a self test for rotating the angle and sugar degree as one complete operation time; all results are clearly displayed on the unique LCD display.

Product reference.
9100.5000

Specifications include:

Measuring range:

- -45° to +45°
- -120° to +120°

Minimum reading:

- 0.001°
- -120°

Accuracy:

- $\pm(0.01^\circ + \text{Test Value} \times 0.05\%)$
- $\pm(0.03^\circ + \text{Test Value} \times 0.05\%)$

Repeatability:

- $\leq 0.002^\circ$
- $\leq 0.02^\circ$

Minimum sample transmittance:

- 1%

Net weight:

- 30kg

Outer dimensions:

- 600 x 320 x 220mm