

# Polarimeters

## Polarimeter Model Polax-2L



Fully functional, digital polarimeter for measuring the rotation of optically active samples across a wide range of applications in education, industry and research. The optical system light source comprises an LED with 589nm interference filter giving rapid response and a long working life in comparison to traditional sodium lamps. The analyser is rotated automatically using push-button controls and a digital LED display can be toggled between angle of rotation, International Sugar Scale (ISS) and temperature.

<i>Ranges x resolution</i>	<i>Angle°</i>	-179.5 to +180 x 0.05
	<i>ISS °Z</i>	-130 to +130 x 0.1
	<i>Temp. °C</i>	+5 to +40 x 0.1
<i>Measurement wavelength</i>	<i>nm</i>	589 interference filter, LED light source
<i>Overall W x D x H</i>	<i>mm</i>	430 x 220 x 300
<i>Weight</i>	<i>kg</i>	11.5
<i>Power</i>		100-240V 50/60Hz a.c.

As described. Supplied with one each 100mm and 200mm sample tubes. For 100-240V 50/60Hz single phase supplies.

**PT665-20** Model Polax-2L

### Spares and accessories

**PT669-08** Sample tube 100mm

**PT669-12** Sample tube 200mm

**PT669-40** Quartz calibration plate, 34°

**PT669-45** Quartz calibration plate, 17°

**PT669-50** Quartz calibration plate, 8.5°



PT665-20

## Polarimeter Model AP-300



Compact, automatic polarimeter which enables measurement of the optical rotation or the concentration of optically active substances.

- ◆ Measurement ranges: rotation angle, International Sugar Scale (ISS - with and without temperature compensation), specific optical rotation, concentration and purity
- ◆ Easy operation with keypad and backlit dot matrix display
- ◆ Manual calibration facility allows compensation for variation to standard solutions or other instruments
- ◆ Built-in, 30 measurement memory
- ◆ Backlit colour LCD readout

<i>Ranges x resolution</i>	<i>Angle°</i>	-89.99 to +89.99 x 0.01
	<i>ISS °Z</i>	-130 to +130 x 0.01
	<i>Temp. °C</i>	+18.0 to +30 x 0.1
<i>Accuracy</i>	<i>Angle°</i>	±0.01
	<i>ISS °Z</i>	±0.03
	<i>Temp. °C</i>	±0.5
<i>Measurement wavelength</i>	<i>nm</i>	589 (D-line), halogen lamp light source
<i>Memory</i>		Last 30 readings
<i>Output</i>		Bidirectional RS232C
<i>Overall W x D x H</i>	<i>mm</i>	485 x 285 x 175
<i>Weight</i>	<i>kg</i>	11.5
<i>Power</i>		100-240V 50/60Hz a.c.

As described. Supplied with one each 100mm and 200mm sample tubes. For 100-240V 50/60Hz single phase supplies.

**PT680-12** Model AP-300

### Spares and accessories

**PT669-08** Sample tube 100mm

**PT669-12** Sample tube 200mm

**PT669-40** Quartz calibration plate, 34°

**PT669-45** Quartz calibration plate, 17°

**PT669-50** Quartz calibration plate, 8.5°



PT680-12