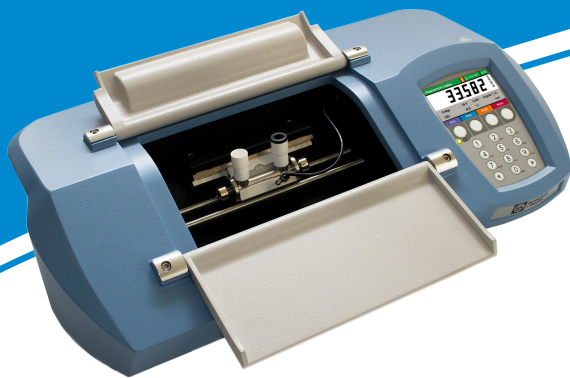




UPGRADE YOUR OLD POLARIMETER TO AN ADP450 XPC AND CLAIM A FREE QUARTZ PLATE WORTH OVER £1,000



The ADP450 is a single wavelength polarimeter with XPC temperature control and low maintenance LED light source. Suitable for sugar, food, chemical and pharmaceutical industries.

- XPC Temperature Control
- Up to 200mm tube length
- Standard ICUMSA tubes
- Continuous or single-shot readings
- Conforms to USP/EP/BP/JP (@589nm)

Bellingham + Stanley has been producing quality polarimeters in the UK for over 100 years, with pioneering techniques advancing the science of polarimetry around the world.

The latest instruments, the ADP400 Series, are single wavelength polarimeters with a low maintenance LED light source - available with or without Peltier temperature control.

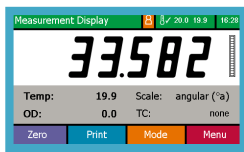
The all new ADP450 polarimeter with patented XPC technology features interchangeable contact Peltier plates facilitating measurement at a stable temperature using Peltier control.

Calibration and configuration of the instruments can be password protected, accessible by keypad or, for convenience, using a fully configurable RFID tag. Both instruments have been fitted with expanded memory offering space for over 8000 measurements and logs creating a detailed audit trail. Combined, these features facilitate operation in environments conforming to FDA regulation 21 CFR Part 11 or GLP.

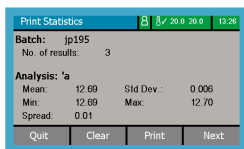
Want to know more? Speak to our sales team to find your local distributor today and quote "PACK37-50/34-20" to claim a free quartz plate worth over £1,000 when you purchase the all new ADP450 polarimeter.

ADP400 Series Polarimeters FOR TEMPERATURE CONTROLLED APPLICATIONS

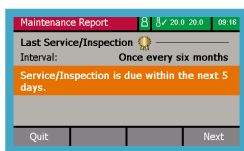
CODE QCP719



ADP400 displaying reading parameters at 20°C



PHR-MEAN Method provides full statistical analysis of a multi-point experiment



Intelligent software shows real-time validation and maintenance information

General Specifications

Scales	
Angular Degrees (°A)	-355 to +355
International Sugar Scale (°Z)	-225 to +225
User Scales/Methods	100
Resolution	
Angular Degrees (°A)	0.01/0.001 (selectable)
International Sugar Scale (°Z)	
Accuracy	
Angular Degrees (°A)	± 0.010
International Sugar Scale (°Z)	± 0.030
Precision (Reproducibility)*	
Angular Degrees (°A)	± 0.002
International Sugar Scale (°Z)	± 0.005
User Scales & Methods Library	
	PHR-MEAN statistical, Specific Rotation, Concentration, Inversion (A-B), Invert Sugar and User Defined
Reading Time	Continuous measurement and display or <i>single shot</i> (selectable)
Tube Length	10 to 200mm
Sample Illumination	Sodium (589nm) Light Emitting Diode (100,000+ hours)
Beam Diameter	4mm
Optical Density	0.0 to 3.0 OD
Instrument Housing	Polyurethane foam with aluminium base
Interfaces	1 x USB (A), 1 x USB (B), 1 x Ethernet
Power	Instrument: 24 V DC, ±5%, <2A External PSU: 100-240V, 50-60Hz (supplied)
Humidity Range	<90% RH (non condensing)

Temperature Specifications

	ADP430	ADP450 (Peltier)
Control	None or external waterbath	Patented XPC Technology
Compensation	None, ICUMSA, Quartz or User Defined	
Measuring Range	5-40 °C	15-35 °C
Sensor Accuracy	± 0.1 °C	± 0.1 °C
Stability	Waterbath dependent	± 0.2 °C
Stability Checks	None/delay on single-shot	None/delay or SMART

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Let's Solve Water

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