ADP600 Series Polarimeters

HIGH PRECISION, MULTI-WAVELENGTH PELTIER TEMPERATURE CONTROLLED MODELS FOR PHARMACEUTICAL, CHEMICAL, FOOD & RESEARCH APPLICATIONS

- Single, dual & multiple wavelength models
- Four decimal place resolution
- Peltier temperature controlled
- High definition 7.4" touch-screen display
- US/EP/BP/JP compliant
- Supports FDA regulation 21 CFR Part 11
- Simple Method system
- Accepts standard & low volume sample tubes

Available as single, dual and multiple wavelength derivatives covering the visible spectrum, the ADP600 Series also features measurement in the highly sensitive ultra-violet region. This capability makes the instrument particularly suited for use by scientists wishing to measure chiral compounds and other optically active substances in the chemical, pharmaceutical and food sectors as well as for use in academic research.

Integral to operational simplicity is the full color, high definition touch-screen graphical user interface. A simple menu structure featuring a METHOD system is similar to the popular wide range RFM series of Peltier controlled refractometers commonly found across industry.

ADP600 polarimeters have an extensive interfacing capability and may be configured to operate in secure environments in accordance with FDA regulation 21 CFR Part 11 and also meet the requirements of US, European and Japanese pharmacopoeia.

A full range of accessories is available including low volume, standard and flow through sample tubes as well as UKAS certified quartz control plates that are traceable to PTB, used to verify instrument performance.

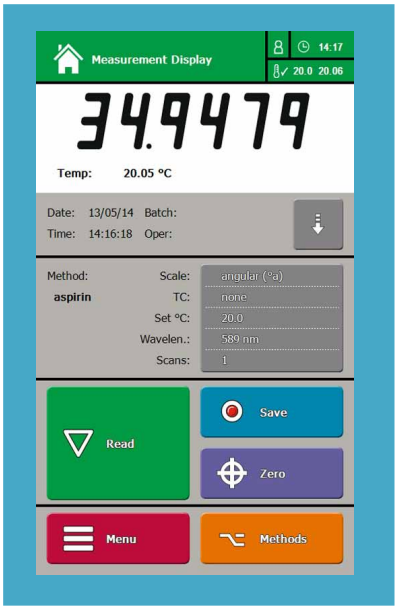
Bellingham + Stanley

a xylem brand

ADP600 Series of Peltier Controlled Polarimeters

General Specifications

Range (°A)	± 89 (-355 to +355 via Method selection) (-225 to + 225 °Z)
Resolution (°A)	0.0001
Accuracy (°A)	± 0.003 (@546 & 589nm) / ± 0.005 (@325, 365, 405 & 436nm)
Temperature Range	15-35°C
Temperature Control / Accuracy	Peltier / ± 0.2°C
Temperature Compensation	None, sugar, quartz, user defined
Optical Density Range	0.0 to 3.0 OD
Methods	Specific Rotation, % Concentration, Purity, % Invert Sugar, % Inversion (A-B)
Temperature Set Points	20 & 25 °C (variable between 20-30 °C via Method)
Reading Time	15-60 seconds @ 546/589nm and 20/20°C (instrument/sample)
Tube Length	5-200mm
Tube Diameter	3-8mm
User Interface	High Definition 7.4" touch-screen color display
Light Source	UV/Vis lamp (6V, 2A >1000hrs) and narrow band pass filter(s)
Interfaces	3 x USB (A), 1 x USB (B), 1 x Ethernet, 1 x RS232
Power Supply	100-250V~, 50-60 Hz. <6A.



Order Codes

Code	Description	Wavelength(s)
37-61	**ADP610** single wavelength polarimeter supplied with pack of two RFID tags, standard lids, instruction manual and certificate of calibration.	589nm
37-62	**ADP620** dual wavelength polarimeter supplied with pack of two RFID tags, standard lids, instruction manual and certificate of calibration.	546 & 589nm
37-63	**ADP622** dual wavelength polarimeter supplied with pack of two RFID tags, standard lids, instruction manual and certificate of calibration.	365 & 589nm
37-64	**ADP640** multiple wavelength polarimeter supplied with pack of two RFID tags, standard lids, instruction manual and certificate of calibration.	405, 436, 546 & 589nm
37-65	**ADP650** multiple wavelength polarimeter supplied with pack of two RFID tags, standard lids, instruction manual and certificate of calibration.	365, 405, 436, 546 & 589nm
37-66	**ADP660** multiple wavelength polarimeter supplied with pack of two RFID tags, standard lids, instruction manual and certificate of calibration.	325, 365, 405, 436, 546 & 589nm

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