



ADP610-HCl Polarimeter

HIGH PERFORMANCE MODEL WITH PELTIER TEMPERATURE CONTROL
FOR USE WITH VERY AGGRESSIVE SAMPLES

A specially adapted, high performance single wavelength polarimeter with Peltier temperature control for use with aggressive samples such as hydrochloric acid (HCl).

As part of the ADP600 series of polarimeters, the ADP610-HCl has been especially adapted for use with aggressive chemicals such as hydrochloric acid. The instrument is supplied with a glass polarimeter tube (100mm) incorporating PEEK endcaps as well as and a temperature sensor with a hastelloy sheath; materials particularly chosen because of their high level of resistance to acid attack. A spill kit to protect the sample chamber is also supplied.



- Four decimal place resolution
- High definition chemical resistant 10cm touchscreen
- Simple Methods system for one-touch instrument configuration
- Hastelloy protected temperature sensor
- 100mm polarimeter tube with PEEK endcaps
- Sample chamber spill kit

ADP610-HCl Polarimeter FOR USE WITH AGGRESSIVE SAMPLES SUCH AS HCL



General Specifications

Range (°A)	± 89 (-355 to +355 via Method selection)
Resolution (°A)	0.0001
Accuracy (°A)	± 0.003
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 @589nm and 20/20°C (instrument/sample)
Tube Length	100mm (PEEK endcaps)
Tube Diameter	8mm
User Interface	High Definition 7.4" (10cm) touchscreen color display
Light Source	UV/Vis lamp (6V, 2A >1000hrs) and narrow band pass filter
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
37-71	ADP610-HCl single wavelength polarimeter supplied with 100mm tube (PEEK endcaps), spill kit, pack of two RFID tags, standard lid, instruction manual and certificate of calibration.	589nm
37-536	Temperature sensor for ADP600-HCl, hastelloy sheath, for use with hydrochloric acid and other aggressive samples.	
35-55	Polarimeter tube, glass, cup fill, PEEK endcaps, 100mm. For use with hydrochloric acid and other aggressive samples using ADP610-HCl Polarimeter.	
35-82	Polarimeter tube windows (qty 4).	
37-531	Chamber spill kit (qty 20).	



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