

UniPol L2000

UniPol L-Series Automatic Polarimeters

Method 01
10/01/2009 23:58
Angle
0.000°
Temp. = 20.0°C
Tube = 200mm
Density = ----
Start
Measurement



SCHMIDT + HAENSCH



Features

- Arc°, ISS°, Concentration, & Custom Scales
- Multiple Measurements w/ Statistical Evaluation
- Custom Wavelengths
- Accuracy Up To $\pm 0.005^\circ$ Throughout Entire Measuring Range
- Extra-Large LCD Display With Full Menu Prompts & Alphanumeric Keypad
- Remote Operation
- Selectable Apertures For Standard & Micro Sample Cells
- Wide Selection Of Sample Cells
- Flow-Through Measurement w/ Specialized Sample Cells
- American & European Pharmacopoeia Conformance
- GLP/GMP Conformance

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Opto-Electronic Measuring Instruments Since 1864



UniPol L-Series Automatic Polarimeters

The S+H UniPol L-Series Automatic Polarimeters are built around the award-winning ATR-Series design and software. An excellent match for routine and advanced measurements, these instruments enable users to input sample ID numbers, receive statistical evaluation and configure custom displays of the measurement results.

To further enhance accurate readings, sample temperature can be measured when sample cells or quartz control plates with integrated temperature sensors are used; the sample temperature or quartz temperature is then indicated on the LCD display. To measure sugar solutions or controlling wavelengths of the polarimeter by using quartz control plates, the temperature-corrected measured value is displayed automatically in °Z.

The UniPol L-Series features accuracy up to $\pm 0.005^\circ$, which is in complete conformity with the American & European Pharmacopoeia. Custom wavelengths are available on request. The UniPol L comes standard with a halogen light source, menu-driven backlit LCD displays, password protection, printer, data, and USB ports.

A wide selection of S+H samples cells and quartz control plates are also available.

Schmidt+Haensch has been manufacturing precision opto-electronic instruments since 1864. All S+H instruments are manufactured in Germany.

Go with a name you can trust for the highest level in analytical instrumentation...choose Schmidt+Haensch.



Technical Specifications

	UniPol L			UniPol L10			UniPol L1000			UniPol L2000		
Cat. No.	46071			46073			46075			46079		
Measuring Scale:	Arc°	ISS	Concentration	Arc°	ISS	Concentration	Arc°	ISS	Concentration	Arc°	ISS	Concentration
Measuring Range:	$\pm 90^\circ$	$\pm 259^\circ Z$	0-99g/mL	$\pm 90^\circ$	$\pm 259^\circ Z$	0-99g/mL	$\pm 90^\circ$	$\pm 259^\circ Z$	0-99g/mL	$\pm 90^\circ$	$\pm 259^\circ Z$	0-99g/mL
Resolution:	0.01°	0.02°Z	0.05g/mL	0.001°	0.01°Z	0.05g/mL	0.001°	0.01°Z	0.05g/mL	0.001°	0.01°Z	0.05g/mL
Accuracy:	$\pm 0.01^\circ$	$\pm 0.03^\circ Z$	$\pm 0.05g/mL$	$\pm 0.005^\circ$	$\pm 0.02^\circ Z$	$\pm 0.05g/mL$	$\pm 0.005^\circ$	$\pm 0.02^\circ Z$	$\pm 0.05g/mL$	$\pm 0.005^\circ$	$\pm 0.02^\circ Z$	$\pm 0.05g/mL$
Custom Scales	10			10			10			10		
Optical Wavelength(s) (STANDARD):	589nm			589nm			589nm			589nm & 405nm		
Optical Wavelength(s) (OPTIONAL):	578nm, 633nm, or 882nm			578nm, 633nm, or 882nm			578nm, 633nm, or 882nm			N/A		
Wavelength Selection:	Automatic			Automatic			Automatic			Automatic		
Measuring Light Source:	LED			LED			LED			LED		
Analyzer/Optical Encoder Link:	Electronic			Electronic			Electronic			Electronic		
Measuring Time:	< 5.0 Sec.			< 5.0 Sec.			< 5.0 Sec.			< 5.0 Sec.		
Sensor:	Hi-Res CCD			Hi-Res CCD			Hi-Res CCD			Hi-Res CCD		
Temperature Compensation:	For Sample Cells w/ Sensors			For Sample Cells w/ Sensors			For Sample Cells w/ Sensors			For Sample Cells w/ Sensors		
Temperature Measurement Range:	0 to 99°C			0 to 99°C			0 to 99°C			0 to 99°C		
Temperature Measurement Accuracy:	$\pm 0.1^\circ C$			$\pm 0.1^\circ C$			$\pm 0.1^\circ C$			$\pm 0.1^\circ C$		
Sample Cell Length (Maximum):	200mm			200mm			200mm			200mm		
Calibration Method:	Manual			Manual			Automatic			Automatic		
Zero Calibration:	Air / Empty Sample Cell			Air / Empty Sample Cell			Air / Empty Sample Cell			Air / Empty Sample Cell		
Display:	LCD, 16x16 Characters			LCD, 16x16 Characters			LCD, 16x16 Characters			LCD, 16x16 Characters		
Keypad:	16-Key Alphanumeric			16-Key Alphanumeric			16-Key Alphanumeric			16-Key Alphanumeric		
Password Protection:	Yes			Yes			Yes			Yes		
Languages:	English & German			English & German			English & German			English & German		
Printer Interface:	Centronics (Parallel)			Centronics (Parallel)			Centronics (Parallel)			Centronics (Parallel)		
Computer Port:	RS-232C			RS-232C			RS-232C			RS-232C		
USB Port:	Standard			Standard			Standard			Standard		
Power Requirements:	90-240V AC, 50/60Hz			90-240V AC, 50/60Hz			90-240V AC, 50/60Hz			90-240V AC, 50/60Hz		
Dimensions:	650 x 315 x 160mm			650 x 315 x 160mm			650 x 315 x 160mm			650 x 315 x 160mm		
Weight:	11.8kg			11.8kg			11.8kg			11.8kg		
Manufactured In:	Germany			Germany			Germany			Germany		

Applications...

Quality Control Of Original, Intermediate, & Final Products ● Determination Of Concentration & Purity Control ● Purity Control & Substance Concentration Determination Conforming To U.S. & European Pharmacopoeia Standards ● Analysis Of Sugar & Albumin In Urine ● Hormone/Enzymology/Toxicology Research ● Purity Control & Identity Of Essential Oils ● Purity Control & Determination Of Organic Fluids & Inorganic Ions ● Analysis Of Optically Active Compounds ● Determination Of Configuration Changes Of Macromolecules In Solutions

Markets...

Food ● Beverage ● Sugar ● Clinical ● Medical ● Pharmaceutical ● Cosmetic ● Chemical



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