SCHMIDT
HAENSCH
innovators by tradition since 1864

UniPol V

Polarimeter

Absorption	Wavelength	Tube type	
Ok	589.44 nm	100 mm	SH
Double click to set	**34.000 °**		20.00 °C 589.44 nm 100 mm
	Current temperature		
	20.00 °C		

SPECIFICATIONS UniPol V

Measurement scales	°Optical rotation, °Specific rotation, °Z International Sugar Scale, % Concentration (g/mL, g/100mL, g/L) 7 scales freely definable
Measuring range	± 360° / ± 259°Z
Resolution	0.001° / 0.01°Z
Precision	± 0.005° / ± 0.02°Z *
Reproducibility	± 0.005° / ± 0.02°Z
Sensitivity	Up to OD 2
Wavelength	589 nm, 882 nm (other on request)
Response time	6 sec. over the entire measuring range
Measuring tubes	Different models, 10 to 200 mm length; Material: glass, stainless steel, acid-proof stainless steel; stainless steel tubes
Temperature measurement	NTC Sensor
Temperature range	10 to 40 °C
Temperature regulation	Temperature regulation only with external water bath (specifications vary by model)
Light source	LED, interference filter
Display	7" Touchscreen, 800 x 480 Pixel, 16 Bit color
Operation	Touchscreen, keyboard**, mouse**, barcode-reader**
Interfaces / Communication	Ethernet 10/100/1000, RS232, USB, WLAN**, Modbus**, Canbus**, Profibus**
Conformity	International Pharmacopoeia, OIML, ASTM, ICUMSA, Australian Standard K157

* Standard conditions

** Optional

Polarimeter applications

Polarimetry is an instrumental analytical method using the optical activity of inorganic and organic compounds as a non-destructive measure of their concentration in a solution.

Applications often used

› Determination of concentration
› Purity analysis
› Quality control
› Scientific analysis

Typical applications of the models

› Raw, intermediate and final products of sugar cane and beet processing
› Food (sugar, starch, milk and food additives, sugar-free sweeteners like isomalt)
› Dairy products (lactose, sucrose, lactoglobulin, lactic acids)
› Pharmacy (reception and product control)

SCHMIDT + HAENSCH GmbH & Co.
Waldstraße 80-81, 13403 Berlin, Germany
Tel: + 49 (0 30) 417072-0, Fax: + 49 (0 30) 417072-99
sales@schmidt-haensch.de, www.schmidt-haensch.com

SCHMIDT HAENSCH
innovators by tradition since 1864

ISO 9001:2015