

**L** LABORATORY

**P** PROCESS

**S** SOFTWARE

**A** AUTOMATION



**SCHMIDT  
HAENSCH**  
innovators by tradition since 1864

# VariPol Series

Polarimeter

The next generation



SPECIFICATIONS	VariPol C	VariPol B
Measurement scales	° Optical rotation, ° Specific rotation, °Z International Sugar Scale, % Concentration (g/mL, g/100mL, g/L), further scales freely definable	
Measuring range	± 89.9°	
Resolution	0.005°	0.001°
Precision	± 0.01° *	± 0.005° *
Repeatability	± 0.01°	± 0.005°
Sensitivity	Up to OD 3	
Wavelength	1 or 2 wavelengths fixed, standard 589 nm, also available 365, 405, 436, 546, 578	
Measuring time	6 to 8 sec. over the entire measuring range	
Measuring tubes	Up to 100 mm length; standard tubes micro tubes, compact tubes Material: glass, stainless steel, hastelloy	
Temperature measurement	Pt1000 sensor (device) / NTC sensor (Quartz control plates and tubes)	
Temperature range sample temperature	10°C to 40°C	
Temperature resolution / precision	0.01°C / ± 0.1°C *	
Peltier temp. regulation of the sample room	18°C to 25°C	10°C to 40°C
Light source	LED, interference filter	
Display	None, 5" or 7" Touchscreen, 800 x 480 Pixel	
Operation	Touchscreen**, Keyboard***, Mouse***, Barcode Reader***, Remote via PC/Tablet/Smartphone***	
Interfaces / Communication	Ethernet 10/100/1000, RS232, SH connector, USB, WLAN**, Modbus**, Canbus**, Profibus**	
Conformity	International Pharmacopoeia, OIML, ICUMSA, Australian Standard K157	
Dimensions	430 x 300 x 160 mm (w x d x h, without display)	
Highlights	Basic Polarimeter especially designed for pharmaceutical applications; Modularity; Fast measuring; Peltier system for automatic temperature control; easy to calibrate; constant precision over the whole measuring range, 21 CFR part 11 ready; energy saving durable LEDs; ELN; LIMS ready	

\* Standard conditions (589 nm,  $t_s=20^\circ\text{C}$ ,  $t_A=23^\circ\text{C}$ )  
 \*\* Optional  
 \*\*\* Not included in delivery

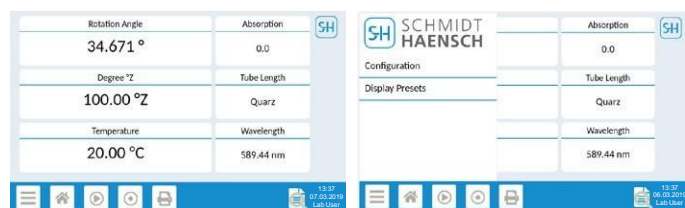
### Combining over 150 years of experience with the endless strive for innovation

The VariPol takes the proven Schmidt + Haensch technology to a new level combining it with new innovations and all advantages of the Vari-Family.

The new design has nearly half the size of our earlier models packed with new features and highly integrated hardware. The experience of over more than 150 years in polarimetry is reflected in all components like the fortified Aluminum core, the built in quality indicator of samples as well as the check of calibration standards. The 100mm sample room is optimal for the needs of pharmaceutical and chemical laboratories.



New polarimeter tubes



VariPol user interface



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