

- L** LABORATORY
- P** PROCESS
- S** SOFTWARE
- A** AUTOMATION

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° *
Reproducibility	± 0.01°	± 0.005°
Sensitivity	Up to OD 3	
Wavelength	1 or 2 wavelengths fixed, standard 589 nm, others on request in the range 365 to 882 nm	
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, acid-proof stainless steel	
Temperature measurement	Pt100 sensor	
Temperature range	10°C to 40°C	
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	5" or 7" Touchscreen, 800 x 480 Pixel, 16 Bit colors	
Operation	Touchscreen, keyboard**, mouse**, barcode reader**, remote via PC/Browser**	
Interfaces / Communication	RS232, SH connector, USB, Ethernet, WLAN**	
Conformity	International Pharmacopoeia, OIML, ICUMSA, Australian Standard K157	
Dimensions	430 x 300 x 160 mm (w x d x h)	
Highlights	Basic Polarimeter especially designed for pharmaceutical applications; Fast measuring; Peltier system for automatic temperature control; easy to calibrate; constant precision over the whole measurement range 21 CFR part 11 ready; energy saving durable LEDs; LIMS ready	

* Standard conditions
** Optional

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 over more than 150 years in polarimetry is reflected in all components like **AWC**, 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



**SCHMIDT
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innovators by tradition since 1864

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