

Polartronic H

POLARTRONIC H532 Automatic Polarimeter

Method 01
10/01/2009 23:58
Angle
0.0041°
Temp. = 20.0°C
Tube = 200mm
Abs. = 2.4
Start
Measurement



SCHMIDT + HAENSCH



Features

- Continuous, Exceptionally-Fast Measurements
- Electronic Interface Of Analyzer And Optical Encoder For Extreme Precision
- No Primary Moving Parts For Ultimate Service Life
- Resolution Of 0.0002° & Accuracy Of $\pm 0.002^\circ$ Throughout Entire Measuring Range
- Five Optical Wavelengths / Mercury & Sodium Light Sources
- Selectable Apertures For Standard & Micro Sample Cells
- Wide Selection Of Sample Cells
- Flow-Through Measurement w/ Specialized Sample Cells
- Automatic Temperature Compensation For Samples Cells w/ Sensors
- Large LCD Display With Full Menu Prompts
- American & European Pharmacopoeia / GLP / GMP Conformance

SCHMIDT + HAENSCH

Opto-Electronic Measuring Instruments Since 1864



SCHMIDT + HAENSCH

POLARTRONIC H532 Automatic Polarimeter

The S+H POLARTRONIC H532 Automatic Polarimeters is truly in a class by itself. The H532's measurement speed, 4th decimal resolution, and accuracy across the full measurement range are unmatched in the industry.

Polarimeters, by definition, determine the optical activity of a solution by means of a rotating analyzer and an optical encoder. S+H POLARTRONIC Automatic Polarimeters make use of a (S+H patented) direct, electronic interface between the analyzer and the optical encoder. This technique allows for exceptional speed in measurements and consistent accuracy across the entire measuring range. All other manufacturers employ mechanical linking of the analyzer and optical encoder. This results in much slower measuring time, inconsistent accuracy across the measurement range, and shortened service life due to mechanical wear and tear.

The S+H H532 Automatic Polarimeter features a high accuracy of $\pm 0.002^\circ$ and comes with 5 optical wavelengths (365nm, 435nm, 546nm, 578nm, & 589nm). Custom wavelengths are available on request. This model comes standard with mercury & sodium light sources, a menu-driven backlit LCD display, password protection, printer, serial, 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

	H532
Cat. No.	46315
Measuring Scale:	°Arc
Measuring Range:	$\pm 90^\circ$
Resolution:	0.0002
Reproducibility	± 0.001
Accuracy:	± 0.002
Custom Scales:	10
Optical Wavelength(s) (STANDARD):	365nm, 435nm, 546nm, 578nm, & 589nm
Optical Wavelength(s) (OPTIONAL):	365nm to 589nm
Wavelength Selection:	Automatic
Measuring Light Source:	Mercury & Sodium
Analyzer/Optical Encoder Link:	Electronic
Measuring Time:	< 3.0 Sec.
Sensor:	Hi-Res CCD
Temperature Compensation:	For Sample Cells w/Sensors
Sample Cell Length (Maximum):	200mm
Zero Calibration:	Air / Empty Sample Cell
Display:	LCD, 16x16 Characters
Keypad:	20-Key Alphanumeric
Password Protection:	Yes
Languages:	English & German
Printer Interface:	Centronics (Parallel)
Serial Port:	RS-232C
USB Port:	Standard
Power Requirements:	90-240V AC, 50/60Hz
Dimensions:	735 x 425 x 200mm
Weight:	28.0kg
Manufactured In:	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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Method 01
10/01/2009
23:58

$\lambda = 589.40$

Angle
0.0041°

Temp. = 20.0°C
Tube = 200mm
Abs. = 2.4

Start
Measurement

7 ABC	8 DEF
4 JKL	5 MNO
1 STU	2 VWX
-	0
Set	Help Alpha

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