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## Automatic polarimeter offers high speed measurement at 4<sup>th</sup> decimal resolution

Biggleswade, Beds — The new POLARTRONIC H532 automatic polarimeter from Schmidt + Haensch comes with 5 optical wavelengths and features a high accuracy of  $\pm 0.002^\circ$ . The H532's measurement speed, 4th decimal resolution, and accuracy are unmatched among polarimeters in the industry.

Tom Greenwell, Marketing Manager of Analytik comments;

*"The competition that can even approach the S+H H532 with respect to accuracy can only achieve it within the range of  $\pm 1^\circ$ . The H532 achieves the same level of accuracy across the full measurement range of  $\pm 89^\circ$ . This is an exceptional instrument!"*

Polarimeters determine the optical activity of a solution by means of a rotating analyser and an optical encoder. Schmidt + Haensch POLARTRONIC automatic polarimeters make use of a (S+H patented) direct, electronic interface between the analyser and the optical encoder. This patented technique allows for exceptional speed in measurements and consistent accuracy across the entire measuring range. All other polarimeter manufacturers employ mechanical linking of the analyser 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 H532 automatic polarimeter has optical wavelengths at 365nm, 435nm, 546nm, 578nm, and 589nm. Additional custom wavelengths are available on request. The H532 polarimeter comes standard with mercury and sodium light sources, a menu-driven backlit LCD display, password protection, and printer, serial, and USB ports.

Potential applications of the new S+H H532 automatic polarimeter include:

- Quality control of original, intermediate, and final products
- Purity control and substance concentration determination conforming to US / European Pharmacopoeia standards
- Analysis of sugar and albumin in urine
- Hormone, enzymology, and toxicology research
- Purity control and identity of essential oils, organic fluids and inorganic ions
- Analysis of optically active compounds

German based Schmidt +Haensch have been manufacturing precision opto-electronic instruments since 1864. Analytik Ltd are exclusive UK distributors of their automatic refractometers, polarimeters and colorimeters.



**Attachment: The New POLARTRONIC H532 Automatic Polarimeter**

## **About Analytik:**

Analytik Ltd are specialised consultants and suppliers of unique, high quality analytical instrumentation throughout UK and Ireland. Innovative solutions from leading global instrumentation manufacturers, coupled with unparalleled customer support have enabled them to forge a reputation for excellence since their formation in 2003.

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