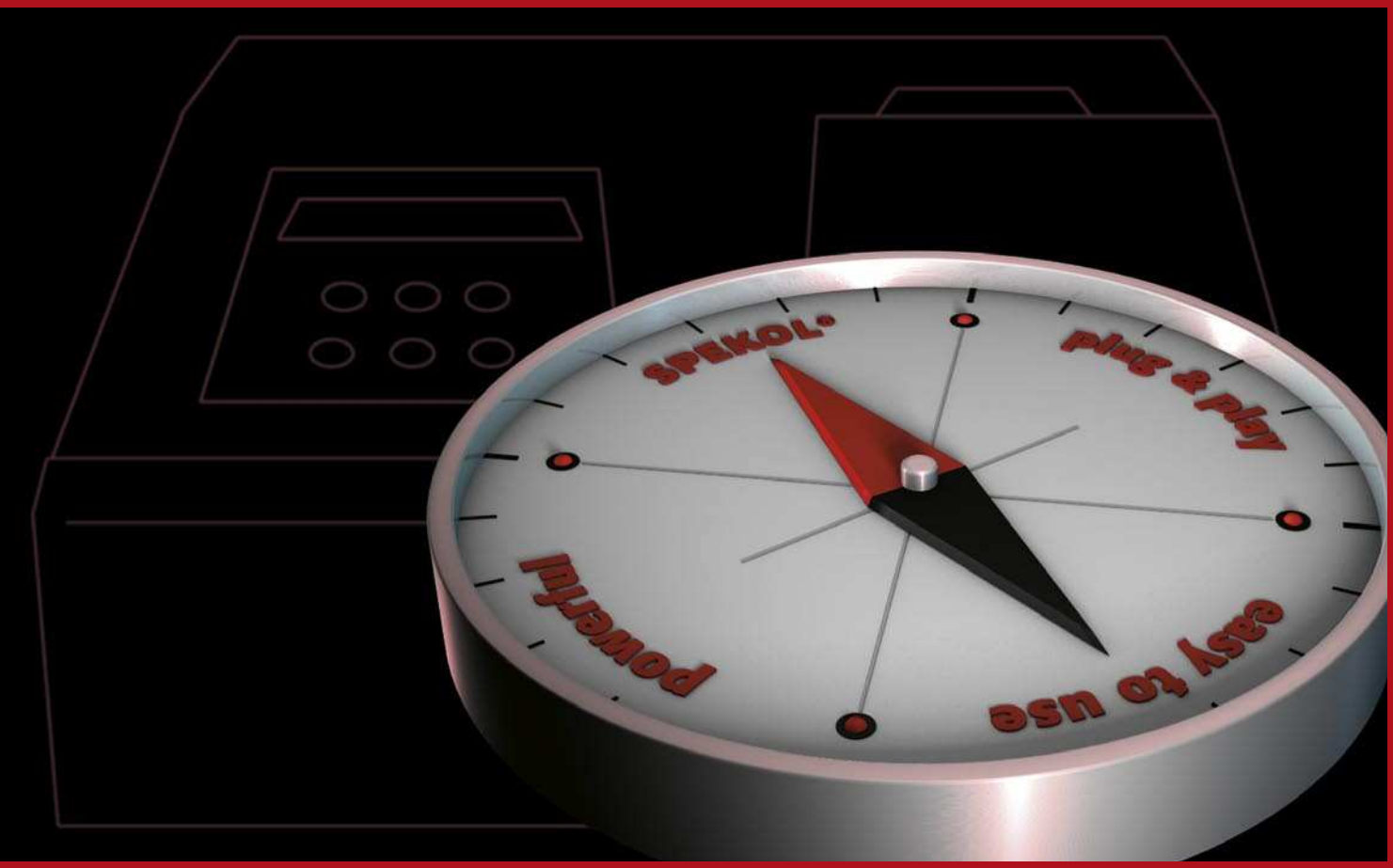
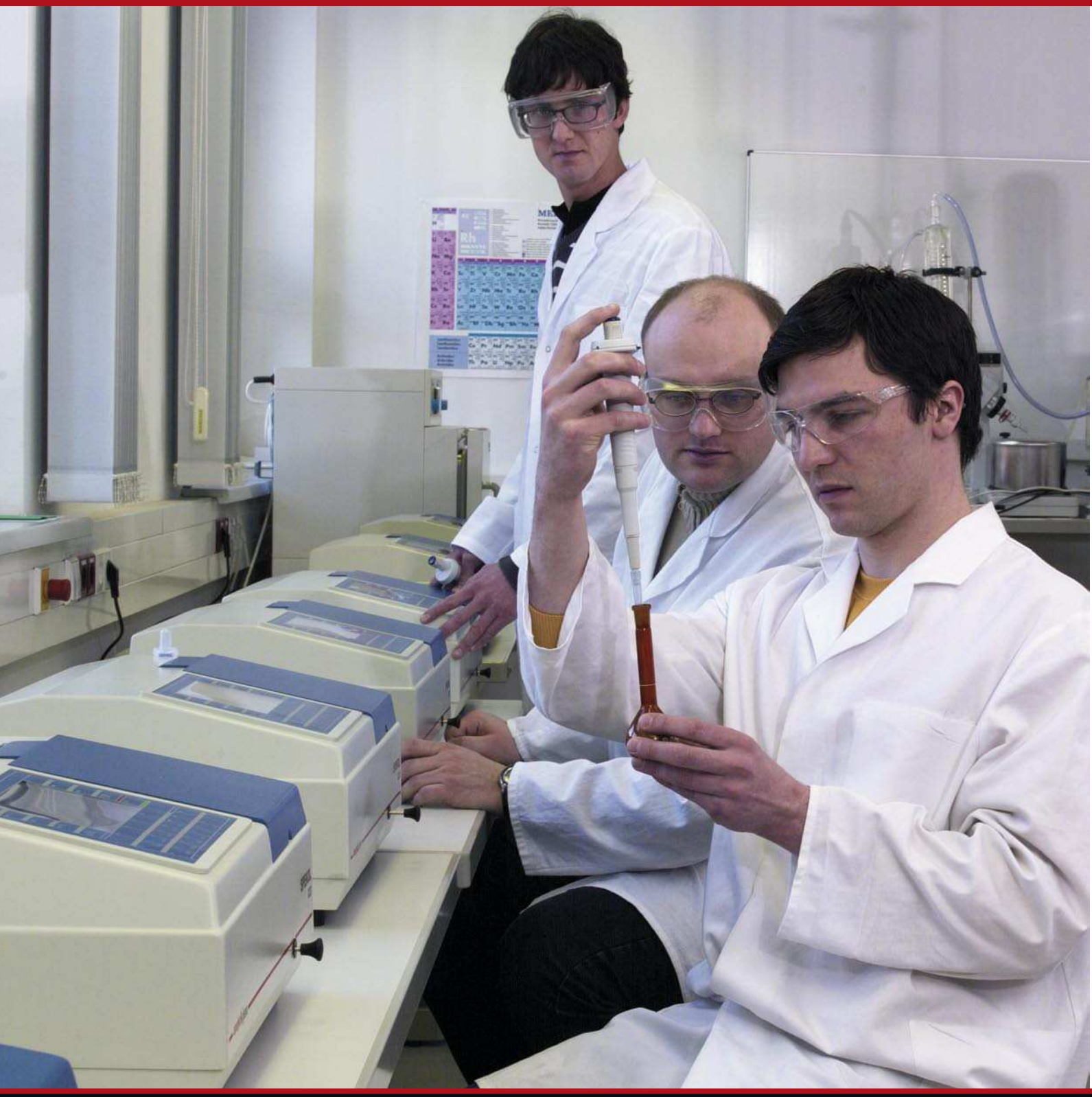
analytikjena

SPEKOL®

Leading the way for generations.



SPEKOL® – Leading the way for generations.

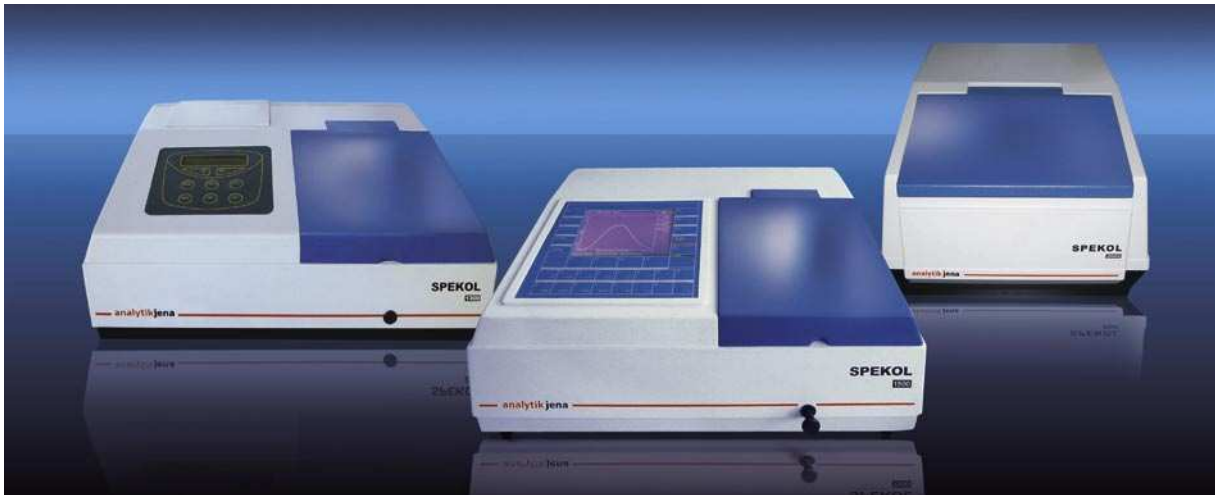


• *1963 – The first SPEKOL®*
The first SPEKOL® was all-purpose and offered the user a large number of specific measurements..

• *1979 – SPEKOL® 20*
The digital routine instrument was equipped with a microprocessor.

• *1984 – SPEKOL® 11*
Equipped with a digital display and 17 different accessories the user could accomplish a lot of applications with less effort.

Have faith in the original!



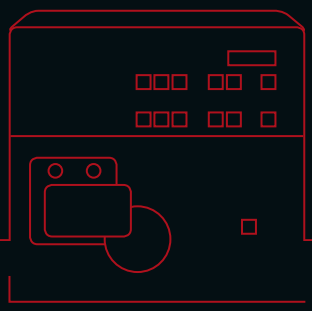
The SPEKOL® series combines simple operation with extensive application options. In chemical, biochemical or clinical laboratories, SPEKOL® has analyzed all types of samples for over the last 40 years. Developed with established Carl Zeiss technology, SPEKOL® epitomizes successful development of optical measuring instruments and is a symbol of reliability and safety.

A compact construction and few moving parts ensure a high level of operational availability. The radiation sources are preadjusted, easy to access and simple to replace. As a single beam or double beam version, the photometers meet a wide range of demands. Thanks to preprogrammed methods, the SPEKOL® instruments are especially capable of mastering routine tasks.

SPEKOL® stands for immediate operability, reliable results and excellent value for money.

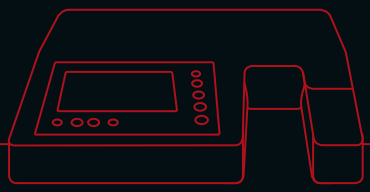
Advantages at a glance:

- Very simple operation
- Very simple installation
- Self-Check-System (SCS)
- Low maintenance requirement
- Compact and space-saving
- Robust and durable
- Reliable



• *1991 – SPEKOL® UV VIS*
The spectrophotometer has the accuracy and stability of double beam instruments thanks to Split Beam Technology.

• *1994 – SPEKOL® 1100/1200*
The little economic miracle for simultaneous analyses – small, compact, space-saving and easy to operate.



SPEKOL® – Leading the way for generations.

• Food industry

• Chemical industry

• Cosmetics industry

• Water analytics

You have the choice!

The appropriate solution for your application.

SPEKOL® 1300 and SPEKOL® 1500
The powerful pair

The SPEKOL® 1500 UV-VIS spectrophotometer is the result of systematic further development of the SPEKOL® 1300 that is already well established on the market.
Both single beam systems for the 190-1100 nm range are compact and easy to handle. Operation of both systems is absolutely simple with a splash proof foil keyboard or alternatively with a PC.

Whereas SPEKOL® 1300 users read off data from the numerical display, SPEKOL® 1500 is equipped with a high resolution LCD-VGA screen for excellent image quality.

Both systems also include a printer port. The calibrations and results can be stored in the internal computer.

SPEKOL® 2000
The world's smallest double beam spectrophotometer

The SPEKOL® 2000, with its variable slit widths of 0.5, 1, 2 and 4 mm in the 190-1100 nm range with no warm-up phase, is suitable for the most diverse applications and daily routine.

As a genuine double beam instrument with innovative optics, it stands out by virtue of its excellent value for money and a minimal space requirement.

Measurement of transmission, absorption, concentration via factor, simple standard or linear calibration is simple and quick to implement with this system.

Convincing analytical advantages:
- Very good signal to noise ratio
- Extremely short measurement times
- Very low detection limit
- Good short-term and long-term stability
- Scanning of spectra, as well as measurements at fixed wavelengths

Evaluation made simple

WinASPECT®, with its completely PC-based control, monitoring and logging of all procedures from the spectrophotometer through to the accessories, is reassuring. Versatility is one of its most important features. WinASPECT® guarantees GLP-compliant work in conjunction with password safety.

Varied options for your applications:
- Preprogrammed methods for simple handling without special knowledge
- Spectral measurements
- Kinetic assays
- Printing and storage of methods and measurement results
- Bio-applications
- Self-Check-System (SCS)

Accessories

Especially in UV-VIS spectroscopy you not only need a good basic instrument, but also diverse accessories. Whether you need cell holders or cell changers for your individual applications, you will find it in our selection of accessories.
Even more accessories are available with the high performance SPECORD® series spectrophotometers for especially demanding applications.

High-end-Technologie for all systems

The SPEKOL® series is equipped with the tried and tested Self Check System (SCS) as are the high performance systems from Analytik Jena. The SCS ensures trouble-free and fully automated operation by checking and monitoring all parameters affecting measurement results, the instrument and operating safety.

SPEKOL® – Leading the way for generations.

Thanks to its space-saving design, SPEKOL® 2000 is one of the smallest double beam instruments of its class. This means that lab space can be optimally utilized.

• *Pharmaceuticals*

• *Biotechnology*

• *Research and education*

• *Materials research*

• *Medicine*

Quality is the difference

Competence

Analytik Jena AG has 150 years of experience and is now one of the leading and most innovative manufacturers of high precision analytical measurement technology with its core competence in optical spectroscopy and elemental analytics.
Thanks to their unique precision, innovative technology and durability, over 200,000 instruments have been installed worldwide. An increasing number of companies is putting their trust in technology from Analytik Jena AG.

Support

Analytik Jena competence centers ensure every user in the world optimal application and technical support. Experienced application chemists and qualified service technicians are at your disposal at any time.

In addition to individual application training and user training courses, multilingual software, online help and the development of analytical method packages are also part of our service. The unconditional satisfaction of our customers is our first priority.

Safety

Optical components that fulfill all the demands on quality and performance form the heart of our spectrometers. We guarantee the best protection and durability of optical components in your spectrometer.

This technology has been defined by some important basic principles for many years now. The aspherical optics deployed guarantee the best imaging properties. High quality encapsulation protects the quartz-coated optics and also proves itself in unfavourable laboratory atmospheres with long service life.

Analytik Jena is the only manufacturer to offer a long-term warranty on all its optical components.

• *Microbiology*

• *Metallurgy*

The SPEKOL® series instruments stand out from the crowd with their diverse application options.
Find out more at: www.analytik-jena.com

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- **Analytik Jena USA, Inc.**
  sales@ajusa-inc.com
- **Analytik Jena Brazil**
  analytikjena.la@terra.com.br
- **Analytik Jena Romania srl**
  office@analytikjenaromania.ro
- **Analytik Jena Russia**
  info@analytik-jena.ru
- **Analytik Jena Middle East**
  middleeast@analytik-jena.com.eg
- **Analytik Jena Far East**
  sales@analytik-jena.co.th
- **Analytik Jena UK**
  sales@aj-uk.co.uk
- **Analytik Jena East Africa Ltd.**
  aj-eastafrica@gt.co.ke
- **Analytik Jena India**
  info@ajindia.com
- **Analytik Jena Korea Co. Ltd.**
  jskim@analytik-jena.co.kr
- **Analytik Jena China**
  info@analytik-jena.com.cn
- **Analytik Jena Taiwan Co. Ltd.**
  sales@analytik-jena.com.tw
- **Analytik Jena Thailand Ltd.**
  sales@analytik-jena.co.th
- **Analytik Jena Malaysia Sdn. Bhd**
  sales@analytik-jena.com.my
- **Analytik Jena AG Japan Co., Ltd.**
  info@analytik-jena.co.jp
- **Analytik Jena Vietnam Co., Ltd.**
  ajvietnam@viettel.vn

- For further information visit our website: www.analytik-jena.com

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Analytik Jena AG
TÜV CERT
DIN EN ISO 9001:2000
Certificate 15 100 6153
Certified quality management system

Analytik Jena AG

Konrad-Zuse-Str. 1
07745 Jena / Germany

Phone +49 (0) 36 41 / 77 70
Fax +49 (0) 36 41 / 77 92 79

info@analytik-jena.de
www.analytik-jena.de

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