



Combining quality and efficiency in the professional laboratory

DR 6000 UV-VIS spectrophotometer with RFID technology

Order number: LPV441.99.00011

The UV-VIS spectrophotometer delivers top performance for both routine laboratory tasks and demanding photometry applications.

- Improved laboratory efficiency - more than 240 pre-programmed methods directly available
- Comparable and reliable results - with the approved HACH LANGE cuvette tests
- Transparent working processes in every situation - with access to all raw data
- Integrated Quality Assurance - with function for scheduling, evaluation, documentation
- Optimised data management, LIMS compatible

The new UV-VIS spectrophotometer is engineered and manufactured in Germany to deliver in fourth generation exceptional analytical accuracy. The Czerny-Turner monochromator design reduces aberrations and guarantees a minimal spectral bandwidth. The output coupler mirror optimally aligns the measurement beam.

Four sequential band-pass filters reduce internal scattered light. The reference beam technology compensates for signal fluctuations in the instrument. Two low-noise silicon detectors ensure high selectivity and basic stability of the measurement signal.

The UV-VIS spectrophotometer unites reliable results with efficiency. The intuitive menu navigation with colour touch screen allows you to enter and calibrate your own methods in just a few simple steps. The instrument provides a wide range of pre-programmed methods.

Application packages, e.g. for enzymology and colorimetry, open up further application opportunities including drinking water and brewery analysis.

Technical Specifications

Accessories

Application Software: LZV935 drinking water analysis, LZV936 brewery analysis, LZV937 enzymatic food analysis, LZV902.99.00001 - Carousel holder for enzymatic food tests

Cuvette compatibility	Rectangular: 10, 20, 30, 50 mm, 1 inch; round: 13 mm, 1 inch Optional 100 mm rectangular cell with additional adapter
Data storage	5000 measured values (Result, Date, Time, Sample ID, Operator ID)
Dimensions Metric (H x W X D)	215 mm x 500 mm x 460 mm
Display	7" TFT WVGA colour touchscreen
IBR+	Automatic test recognition, lot control and expiry date check
Includes	1 x Power Cord (country specific: EU, CH, UK) 1x Universal-Adapter 1x Dust Cover 1x Printed multilingual basic user manual (bg, cz, da, de, en, es, fr, gr, hr, hu, it, nl, pl, pt, ro, ru, sl, sl, sv, tr)
LINK2SC	Data exchange with SC 1000 controller
Manual languages	German, English, French, Italian, Spanish, Portuguese (PT), Czech, Danish, Dutch, Hungarian, Polish, Romanian, Russian, Slovenian, Swedish, Turkish, Greek, Croatian, Bulgarian, Slovakian
Operating conditions	10 - 40 °C , max. 80% relative humidity (not condensing)
Operating mode	Transmittance (%), Absorbance and Concentration, Scanning
Optical system	Reference beam, spectral
Power supply	Power cord, 100 - 240 V, 50 - 60 Hz
Power supply	50 - 60 Hz
Pre-programmed methods	> 240
Printer compatibility	Supports most office deskjet printers
Quality assurance	Function to schedule and document QA with pass/fail indication
Source lamp	Tungsten (VIS), Deuterium lamp (UV)
Specific technology	RFID for easy method update, sample ID and Certificate of Analysis
Spectral bandwidth	2 nm
Storage conditions	-25 °C - 60 °C , max. 80% relative humidity (non-condensing)
User interface	Bulgarian, Chinese, Croatian, Czech, Danish, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Slovakian, Slovenian, Spanish, Swedish, Turkish
User programmes	200
Warranty	2 years

Wavelength accuracy	± 1 nm
Wavelength range	190 - 1100 nm
Wavelength reproducibility	< 0.1 nm
Wavelength resolution	0.1 nm
Wavelength selection	Automatic
Weight	11 kg

Subject to change without notice.