



DR6000 UV-VIS spectrophotometer with RFID technology

Product #: LPV441.99.00011
GBP Price: Contact Us
Available

The industry's most advanced lab spectrophotometer.

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

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.

Your Water Testing Needs, All in One Spectrophotometer

The DR6000 has the most pre-programmed testing methods, including high-speed wavelength scanning across the UV and Visible Spectrum.

Built for High Volume and Exceptional Accuracy

A carousel sample changer allows up to seven sequential measurements. The Sipper Module, an instrument-controlled sample delivery system, increases precision by constant optical characteristics.

Advanced Quality Assurance at Your Fingertips

The DR6000 comes with integrated QA software for scheduling, documenting and interpreting all of your needed quality measurements.

Guided Procedures and Elimination of False Readings

The DR6000, when used with LCK cuvette tests, provides the accurate results you need by guiding you step-by-step through your testing procedures. With LCK cuvette tests, the instrument averages 10 readings and eliminates outliers, making scratched, flawed or dirty glassware a non-issue.

Automatically Avoids Errors

RFID* technology automatically updates the program calibration factors when you place the LCK reagent box near the DR6000. The instrument identifies chemistry expiration dates via a barcode on the vials, and detects chemistry coefficient factors to avoid errors that can occur in lot-to-lot variations in the chemistry.

*RFID technology available in all EU countries plus e.g. Norway, Switzerland, Serbia, Macedonia, Turkey, Russia et al. For other countries please ask your local Hach contact person.

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)
Display:	7" TFT WVGA colour touchscreen
Enclosure waterproof rating:	IP20 with closed lid
IBR+:	Automatic test recognition, lot control and expiry date check
Interfaces:	USB type A (2), USB type B, Ethernet, RFID module
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
Photometric accuracy:	1 % at 0.50 - 2.0 Abs
Photometric linearity:	<lt;/> 1 % at > 2 Abs with neutral glass at 546 nm
Photometric measuring range:	± 3 Abs (wavelength range 340 - 900 nm)
Power supply:	Power cord, 100 - 240 V, 50 - 60 Hz
Pre-programmed methods:	> 240
Printer compatibility:	Supports most office deskjet printers
Quality assurance:	Function to schedule and document QA with pass/fall indication
Region:	EU
Scanning speed:	900 nm/min (in 1 nm steps)
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)
Stray light:	< 0.0005
User interface:	Bulgarian, Chinese, Croatian, Czech, Danish, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Polish, Potuguese, Russian, Slovakian, Slowenian, 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

What's in the box

1 x DR6000 UV-VIS spectrophotometer with RFID technology
1 x power cord (country specific: EU, CH, UK)
1x universal adapter
1x dust cover
1x printed multilingual basic user manual (bg, cz, da, en, es, fr, gr, hr, hu, it, nl, pl, pt, ro, ru, sl, sl, sv, tr)