



DR6000 UV VIS Spectrophotometer without RFID

Product #: LPV441.99.00002

ZAR Price: Contact Hach

Ships within 3-5 weeks

The industry's most advanced lab spectrophotometer.

The DR6000 is the industry's most advanced lab spectrophotometer. It offers high speed wavelength scanning across the UV and Visible Spectrum, and comes with over 250 pre-programmed methods which include the most common testing methods used today. With optional accessories allowing for high volume testing via a carousel sample changer, and increased accuracy with a sample delivery system which eliminates optical difference errors, this instrument ensures you are ready to handle your wide-ranging water testing needs.

Combining the DR6000 with Hach's unique TNTplus reagent vials, you gain additional accuracy with guided step-by-step testing procedures, while making scratched, flawed or dirty glassware a non-issue due to 10 reading averages and the discarding of outliers. The instrument also utilizes RFID technology, allowing it to automatically let you know if your TNTplus reagents have expired, while detecting coefficient factors to avoid errors which can occur in lot-to-lot variations in the chemistries.

Partnering all of these features with an integrated QA software package allows for scheduling, documenting and interpreting your needed quality measurements.

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 for 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 TNTplus reagent vials provides you the accurate results you need by guiding you step-by-step through your testing procedures. With TNTplus the instrument averages 10 readings and eliminating outliers, making scratched, flawed or dirty glassware a non-issue.

Automatically Avoids Errors

RFID* technology automatically updates the program calibration factors when you place a TNTplus 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 currently available only in US, Anguilla, American Samoa, Australia, Bolivia, Canada, Cayman Islands, Columbia, Dominican Republic, El Salvador, Federated States of Micronesia, Guam, Guatemala, Marshall Islands, New Zealand, Northern Mariana Islands, Palau, Panama, Puerto Rico, and US Virgin Islands.

Specifications

Cuvette Compatibility 2:

1 inch rectangular and round cell

Cuvette Compatibility 3:	Optional 100 mm rectangular cell with additional adapter
Data Logger:	5000 data points (result, date, time, sample-ID, user-ID)
Display:	TFT 7" WVGA color touch
Enclosure rating:	IP20 with closed lid
Mains Connection 2:	50 - 60 Hz
Manual Languages:	en, es, fr, ja, ko, pt, zh
Operating conditions:	10 - 40 °C, max. 80% relative humidity (non-condensing)
Optical System:	Reference beam, spectral
Photometric Accuracy:	5 mAbs @ 0.0 - 0.5 Abs
Photometric Linearity:	0.5 % - 2 Abs
Photometric Linearity 2:	<1% at > 2 Abs with neutral glass at 546 nm
Photometric Measuring Range:	± Abs
Power Requirement:	100 - 240 V
Preprogrammed methods:	> 250
Sample Cell Compatibility:	10, 20, 30, 50 mm rectangular cell
Scanning Speed:	900 nm/min (in 1 nm steps)
Source Lamp:	Tungsten (VIS), Deuterium lamp (UV)
Specific Technology:	RFID not applicable with this model
Spectral Bandwidth:	2 nm
Storage conditions:	-25 °C to 60 °C max. 80% relative humidity (non-condensing)
Stray light:	< 0.05 %
Stray Light:	KI-solution at 220 nm < 3.3 Abs
User Interface Languages:	bg, cn, cz, da, en, es, fr, gr, hr, hu, it, jp, kr, nl, pl, pt, ro, ru, sl, sv, tr
User programs:	200
Warranty:	12 months
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 included?:	Includes: DR6000 spectrophotometer, dust cover, power cord for US and EU, universal cell adapter, matched pair of 1 inch glass sample cells, multilingual basic user manual.

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