



## DR6000 vs DR3900 Technical Specifications

	DR6000	DR3900
<b>Basic Functionality</b>		
Bandwidth	2nm	5nm
Wavelength Scanning	✓	✓
IBR barcode measurements w. 10 x cuvette rotation for measurement quality	✓	✓
Vial/Pathlength Recognition	✓	✓
Storage Capacity (# data points)	5000	2000
Camera for Barcode and Company Logo Detection. Eliminates risk of handling errors	✓	✓
Automated Cell Compartment Selection	✓	
Carousel for 8 cells 1cm	✓	
Carousel for 5 cells 1 inch	✓	
Application Package Brewery: 12 published and observed brewery methods according to MEBAK	✓	
Application Package Drinking Water: Compilation of methods to be executed without reagent addition	✓	
Application Package Food: Compilation of enzymology tests manufactured by R-Biopharm AG, Darmstadt, performed with the spectrophotometer and carousel insert.	✓	
<b>Quality Control</b>		
Advanced Analytical Quality Assurance (AQA) Features. No need for separate software	✓	✓
IBR+: Lot number and expiration date are included in the bar code and stored with the measurements	✓	✓
CoA+: See Certificate of Analysis on the photometer screen via the chemistry box RFID	✓*	✓*
IntelliCheck: user defined limits for results. Automatic Trend & Ratios – Analysis and Alerts – To identify incorrect results or outliers	✓	✓
SampleID – seamless sample tracking. Full traceability from sampling site to documentation	✓*	✓*
Truecal: Cuvette tests including calibration data for each individual lot. Increasing accuracy and repeatability	✓	✓
Monitoring of C:N:P ratio: automatic visualisation if there is a change in the nutrient ratio, e.g. due to heavy rainfall, sludge discharge etc.	✓	✓
<b>User Interface / Use Model</b>		
Large 7" colour display w. crisp contrast for better readability and new tool bar for easier use	✓	✓
RFID technology: Simply move the text box or sample bottle close to the front of the instrument: - For a touchless and easy update of chemistry method from reagent box - To enter sample and user ID to the photometer without handwriting (need LOC100 locator)	✓*	✓*
Step by step help guide on screen to solve any issues	✓	✓
Visualised measuring range by bar graph	✓	✓
<b>Connectivity &amp; Software Updates</b>		
USB ports	3 (1 in the front)	3
RJ 45 LAN port for network configuration - To store data on any computer in the network or feed data into LIMS w/o additional software - For an easy update of instrument software via direct web access	✓	✓
Bidirectional link to process equipment – LINK2SC Bidirectional data transfer from process sensors to lab instruments and back to perform e.g. matrix corrections	✓	✓
Claros enabled – seamlessly connect and manage instruments, data and processes anywhere, anytime	✓	✓

\*RFID option needed