

SPECIFICATIONS

BioTector Ultra Low Range



GENERAL

Enclosure	Fiberglass Reinforced Polyester
Dimensions (HxWxD)	1250 x 750 x 320 mm (49.2x29.5x12.6 in)
Weight	90 kg (198 lbs)
Power Consumption	140 W
Mains Connection	230V or 115V AC

MEASURING PERFORMANCE

Monitoring	Patented Two-Stage Advanced Oxidation Process using Hydroxyl Radicals	
Measuring Components	TOC (NPOC) TIC After Correlation Tests: COD and BOD Batch Samples Minimum TOC < 8 minutes	
Monitoring Frequency	Batch Samples Minimum TOC < 8 minutes	
Monitoring Range	Ultra Low Range	0-5000µg/l (ppb) 0-10000µg/l (ppb)
Repeatability	0-5000µg/l 0-10000µg/l	± 3% or ± 10ppb of the reading ± 3% or ± 20ppb of the reading
Sample Volume	10-14 ml	
Particle Size	Maximum particle size <100 microns	
Signal Drift	< 5% per year	
Ambient Temperature	5 – 40°C (41 - 104°F)	
Humidity	5 - 85%, non-condensing	
Chloride Interference	None	

ELECTRICAL

Standard Output	4 - 20mA for TOC	
Digital Output	2 Potential Free Alarm Contacts, Programmable 1 Potential Free Fault Contact, Programmable	
Serial Port	RS232 Output for Printer or Data Logger	
Optional Features	Output Remote Pause Signal Industrial Interface Valves Multi-stream Manual Sample Eexp	TIC, TOC, BOD, COD Input for Remote Pause Modbus, Profibus Automatic Calibration and Optional Sample Line Cleaning Up to 6 Streams with independent 4-20mA signals Up to 6 Manual Sample Input Points Certified and Available on Request

FEATURES IN DETAIL

Display	High Contrast 40 Character x 16 Line Backlit LCD with CFL
Data Storage	Previous 5000 Reaction Data Previous 50 Fault Signals

CONSUMABLES

Acid and Base	Replacement Frequency - Application Dependent (Typically 12-14 weeks)
Oxygen Service	Option of Integrated Oxygen Generator available 6 Month Intervals Suggested



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