

BugCount® Online ATP Analyzer

LuminUltra's BugCount® Online ATP analyzer incorporates the speed, accuracy of our gold-standard ATP technology and automated testing to deliver real-time results of total microbiological content in samples. The analyzer gives users the ability to rapidly monitor and assess microbiological content in environmental samples with minimal operator intervention. Process samples are fed directly to the analyzer for ATP measurements at user specified intervals. Results are automatically directed to the online platform, allowing all team members - operators, technicians, and managers to monitor their process microbiology and make informed decisions in real-time.

Key Benefits

- Provides a rapid measurement of total microbiological content in an environmental or industrial process samples
- Automated test, free of human intervention
- Gives flexibility to increase sampling frequency, allowing for improved process monitoring and control, without increasing operator workloads
- Data is uploaded directly to the online platform, giving all team members access to data and alarms in real-time
- Reduces operational requirements, with reagent cartridges sized to provide at least one month of sampling, depending on the frequency of sampling
- Minimal maintenance, performed on monthly, 6 month, 12 month, and 24 month cycles
- Ideal for remote sites, reducing time spent on site visits and travel
- Rugged equipment, built for use in challenging environments
- Small system footprint suitable for use in sites with limited space
- Automatic calibration performed with every sample
- System can be installed at a specific location or portable in a case format



Key Benefits

Feature	BugCount® Online Device
Dimensions	24 x 217 x 212mm 20.6 x 8.5 x 8.3in
Weight	8kg 17.6lbs
Enclosure	IP65 rated
Measurement time per sample	< 10 minutes
Data format	CSV file format
Range of measurement	0.1 ng/mL - 10,000 ng/mL
Maintenance cycle	Monthly – Replace reagent cartridge 6 Months – Replace sample tubing 12 Months – Replace reagents tubing and vacuum trap 24 Months – Replace pump and fittings
External connections	Ethernet Waste Cleaning Sample inlet Rinse Power
Power Supply	24 VDC, 120 VAC (North America) 240 VAC (Europe)
Ambient operating conditions	5 – 30 °C
Max sample pressure	1.4 bar 20psi 135kPa
Calibration	Internal standard for every sample
Warranty	1 year warranty (extended warranty available)

**Pressure in sample feed line may be higher, but must be reduced to stated level immediately upstream of device*

Hardware Components

- BugCount® Online ATP analyzer
- Power cable
- Ethernet cable
- Waste container
- Protective case (Optional)
- Metal stand (Optional)

Other Components

- Reagent Cartridge complete with Luminase™ Enzyme & Buffer and UltraCheck™ ATP standard
- UltraLyse™ Extraction and Rinse Solution
- Reagent Cartridges for 400 (8 to 13 per day), 200 (4 to 7 per day) and 50 (1-3 per day) tests

Pre-treatment device for pressurized samples

- Control Board with pressure reducer
- Fittings, tubes and valves

