

ATP Luminometer

Introduction:

ATP(Adenosine Triphosphate) is a universal energy molecule present in all animal, plant, and bacterial cells. ATP testing provides a rapid 15-second assessment of surface cleanliness, microbial levels in water, and biofilm buildup rates in water pipelines. It enables quantitative detection of microbial counts in water, food, and cosmetics. Applications include: municipal water supply systems, industrial circulating cooling water, oil & petrochemical, steel, power, and paper industries, as well as food & beverage, cosmetics, hospital infection control, and catering.

Features:

- * Imported high-sensitivity photoelectric sensor.
- * Large clear LCD display.
- * Automatic pass/fail judgment and pass rate statistics.
- * Built-in self-calibration light source; 30-second self-check upon startup.
- * USB interface for data transmission to PC.
- * Stable liquid luciferase.
- * Wetted integrated sampling swab.

Technical Parameters:

Model	BK-ATP420
Sensitivity	5 × 10 ⁻¹⁵ mol/ATP
Total Coliforms	1~10 ⁶ CFU
Detection Range	0~9999 RLUs
Detection Mode	RLU, coliform screening
ATP Recovery Rate	90~110%
Startup Self-check	30 seconds(Built-in self-calibration light source)
Testing Time	15 seconds
Precision	±5%
Correlation Coefficient	≥0.995
Data Content	RLU value, file name, record number, date, time, test duration, etc.
Data Storage Capacity	Over 2,000 data records
User Settings	Over 100 group numbers, 250 result limit settings, etc.
Storage(@20°C)	6 months
Operating Environment	5~40°C, 20~85% RH
Power Supply	Two AA batteries; continuous operation >12h, standby time >300h
Standard Accessories	USB interface, surface swab*10, carrying case, data analysis software
Optional Accessories	Surface swab, water sample swab, high-efficiency swab(Storage: 2~8°C)
External Size(W*D*H)	190*80*30mm
Package Size(W*D*H)	Instrument: 245*170*100mm Swab*10: 255*145*175mm(Foam box)
Net Weight	0.3kg
Gross Weight	Instrument: 0.6kg Swab*10: 0.6kg(With 1 ice pack)



BIOBASE

E-mail: export@biobase.com
www.biobase.cc / www.biobase.com