

Lumitester[®] C-110

Product code: 61911

**Compact size and
high performance
luminometer**



● For microbial testing and cell counting

- * Special reagents "CheckLite" series enable rapid measurements of microbes and cells.
- * Low noise and stable signal enable reliable measurements.
- * Multiple selection of display: RLU, ATP concentration, amount of ATP and cell counts.
- * Cell counts are programmable for five kinds of cells.

● For ATP hygiene monitoring

- * A small and lightweight instrument with built-in battery suitable for both patrol inspection and the spot testing.
- * Beside the luminescence intensity, the amount or concentration of ATP can be displayed providing objective and quantitative results.

● For biochemical research

- * Pre-installed advanced mode, which enables measurement time and delay time settings are suitable for highly professional biochemical research use.

■ Lumitester C-110 is a small, lightweight and precision instrument for ATP measurement

Using special reagents "CheckLite" series depending on the situation, this instrument helps to streamline and speed up hygienic control ranging widely from hygiene monitoring to microbial detection.

Its performance is adequate to use as the luminometer for biochemical research.

Besides adjustable measurement time, it is comparable in sensitivity and dynamic range to the expensive bench-top luminometers.

■ Distinctive features of Luminometer C-110

1. Small & Lightweight

Portable body, weighs about 700g. You can carry it easily and make measurement by rechargeable batteries.

2. High Sensitivity & Wide Dynamic Range

With the special reagents "CheckLite" series, you can measure 1.0×10^{-13} to 3.0×10^{-7} M ATP.

3. Simple & Speedy Operation

Insert a test tube containing mixture of sample and reagent, and just push the start button. The result will be displayed after only 10 seconds*¹, and anyone can get measurement results on the spot with ease. ATP concentration and cell count can also be obtained after calibration. *¹ In case of standard mode

4. Advanced measurement

An advanced mode is pre-installed. This mode enables measurement time and delay time settings, and consecutive measurement, which are suitable for highly professional biochemical research use.

5. Convenient data processing performance

Measurement data are recorded in the C-110, and can be transferred the data to PC for print out and for data processing.

■ Special reagent "CheckLite" series

CheckLite 250	(Product code: 61304)	ATP measurement
250 Plus	(Product code: 61305)	
ATP Eliminating Enzyme		Microbial biomass assay
	(Product code: 61306)	
HS Set	(Product code: 61310)	High sensitive microbial biomass assay
AT100/Milk	(Product code: 61312)	Aseptic test for aseptic packed food products and beverages
CT150	(Product code: 61328)	Coliform test



■ Specification

Model	C-110		
Detection method	Photon counting mode using photomultiplier tube	Printer	Data can be printed out to an optional external printer
Detection range	1.0×10^{-13} to 1.5×10^{-8} M ATP* ² 1.0×10^{-12} to 3.0×10^{-7} M ATP* ³	Interface	RS232C (communication with a PC and data output to a printer)
Dark noise	Below 10RLU (25°C)* ⁴	Software	Utility software for data collection and standard curve settings
Measurement time	10 sec. in STANDARD mode 1-1000sec. in ADVANCED mode	Power	Rechargeable battery(NiMH) or AC adaptor
Sample tube size	φ12 x 55mm	Size	185W x 110D x 75H mm (excluding projecting parts)
Sample volume	0.1mL	Weight	Approx. 700 g
Data output	RLU (Relative Light Unit), M (ATP concentration), pg (Amount of ATP), CELL (Cell count)	Temperature / Humidity	Storage -10 to +50°C, Operating +5 to +40°C/ No condensation
Data storage	1000 pieces of data	Accessories	Tube stand, AC adaptor, RS-232C cable, Instruction manual, Utility software
Display	LCD (liquid crystal display) panel		

*² With CheckLite HS Set reagent (without ATP elimination) *³ With CheckLite 250 Plus *⁴ In case of standard mode

■ Optional accessories

AC adaptor for Lumitester C series, Battery pack for Lumitester C-110

Inquiries



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