

Product Overview

The ATP analysis harnesses a naturally-occurring, light-producing process to measure total microorganism concentration. The amount of light produced in the analysis is directly related to the quantity of microorganisms. To measure the light intensity and therefore the microbiological quantity, a luminometer is required.

LuminUltra is pleased to provide to its customers the Kikkoman Lumitester C-110. This luminometer is highly sensitive, fully portable, very robust, and allows users to take full advantage of LuminUltra's cutting-edge products.



Product Compatibility

For your convenience, this product is compatible with all LuminUltra test kits.

Product Offering

Every Lumitester C-110 comes packaged in a rugged and durable carrying case suited for field testing wherever you need it. This package normally includes all the equipment needed to carry out LuminUltra's test protocols, including:

- Kikkoman Lumitester C-110 Luminometer;
- Carrying Case;
- Micropipettors for reliable and accurate fluid transfer;
- Test tube racks for both reagent tubes and luminometer cuvettes.



Other Information

- Your Lumitester C-110 comes with a 1-year warranty from date of purchase. To be eligible for this warranty, ensure that you fill out and return the warranty registration card contained with your Lumitester C-110. Refer to this warranty form and statement for more information on the terms of this warranty.
- Refer to our **Kikkoman Lumitester C-110 Manual** if an accidental spill has occurred. We recommend the Luminometer Cleaning Kit (LCK) for performing cleaning operations.
- Although luminometers do not require re-calibration during their useful life, you can confirm linearity and magnitude of response for your luminometer through the use of a Luminometer Standardization Kit (LSK). Contact LuminUltra for more details. **We recommend annual cleaning and linearity verification.**

Technical Specifications

The Kikkoman Lumitester C-110 has the following features:

Detection Method	Photomultiplier in single photon counting mode
Detection Range	4×10^{-12} to 1×10^{-6} M ATP
Dark Noise	10 RLU
Measurement/Integration Time	10 seconds (Standard Mode), 1-1000 seconds (Advanced Mode)
Wavelength of Maximum Response	420nm
Assay Tube Chamber	12 x 55mm
Nominal Luminescent Reagent	100 μ L
Measurement Mode	Standard, Advanced
Output	Relative Light Units, RLU
Data Memory	1000 pieces of data
Display	LCD (Liquid Crystal Display) panel with 4 lines x 16 characters
Printer	Data can be printed out to an optional printer
Interface	RS-232C (USB conversion cable available)
Software	Utility Software
Power	Rechargeable NiMH battery or AC adapter
Dimensions	185W x 110D x 75H mm (excluding projecting parts)
Weight	Approx. 700g
Temperature	Storage -10 to +50°C, Operating +5 to +35°C
Humidity	No condensation
Standard Accessories	<ol style="list-style-type: none"> 1. AC Adapter c/w Type A or Type C 2. PC Data Cable (RS-232) 3. English version of Utility Software