



Product Fact Sheet

Kikkoman Lumitester C-110

Luminometer and Equipment Bundles

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.

Bundle Formats

Whether you plan on doing most of your ATP analysis in the lab or on the road, we have several equipment bundle formats to meet your needs. All bundles include the Kikkoman Lumitester C-110 as well as other featured items:

Product	Includes
Kikkoman Lumitester C-110 (EQP-LUK-C110) 	<ul style="list-style-type: none"> • Kikkoman Lumitester C-110 • AC Adaptor c/w Type A or C plug • Manual • RS-232 Cable • Utility Software CD
Bench-Top Materials & Luminometer Bundle (EQP-BTM-C110) 	<ul style="list-style-type: none"> • Kikkoman Lumitester C-110 • 0.1-1.0mL Micropipettor • 1-5mL Macropipettor • 12mm Test Tube Rack • 17mm Test Tube Rack
Field Kit & Luminometer Bundle (EQP-PAC-C110) 	<ul style="list-style-type: none"> • Kikkoman Lumitester C-110 • Field Carry Case • 0.1-1.0mL Micropipettor • 1-5mL Macropipettor • Foam Test Tube Rack

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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 $^{\circ}$ C, Operating +5 to +40 $^{\circ}$ C
Humidity	No condensation
Standard Accessories	1. AC Adapter c/w Type A or Type C 2. PC Data Cable (RS-232) 3. English version of Utility Software
Manufacturer's Warranty	1-Year Factory Warranty (Excludes used batteries)