

Enjoy an instrument of high performances



You want to monitor the microbiological quality of your water networks or your surfaces by ATP-metry. Whether you are in your laboratory or directly on the field, you need an instrument, the luminometer, to perform your analysis. This device must be highly sensitive, with a low background signal, portable and easy-to-use.

To make the best use of our **DENDRIDIAG®** reagents, GL BIOCONTROL recommends the luminometer KIKKOMAN C-110. We use it daily to monitor ultra-pure water or assess the efficiency of processes and treatment procedures of any type of water or surfaces.

We selected this luminometer above all for the performances of its photomultiplier and consequently, its low limit of detection. **KIKKOMAN is a worldwid leader in measuring light.** Our expertise of the field steered us to choose an easy to transport and user friendly device with an attractive price.

Advantages of luminometer KIKKOMAN C-110

HIGH SENSITIVITY: the most sensitive quantification available on the market.

LARGE MEASUREMENT RANGE: low and high signals measured.

PORTABLE: runs on rechargeable batteries or mains powered.

COMPACT: portable instrument of only 700g.

USER-FRIENDLY: does not require special skills.

DIGITAL: memorizes the results.

AUTONOMOUS: automatic calibration, no computer needed.

Very high
sensitivity
with the
photomultiplier

Up to
100
bacteria
detected per
liter

Result in
10
seconds

Up to
1000
results
memorized

How does it work?

The luminometer KIKKOMAN C-110 runs with rechargeable batteries or is mains powered. The red button is used to turn on the instrument. Calibration is automatic and starts after switching on the device. Choose the «Standard Mode». The luminometer is then ready-to-use. When pressing the ENTER button, the luminometer counts the number of photons emitted by the bioluminescence reaction. The result is displayed in RLU (Relative Light Unit) after 10 seconds.

Application fields

The luminometer KIKKOMAN C-110 allows the operator to plainly benefit from the performances of our **DENDRIDIAG®** reagents. Its high sensitivity makes it usable on any kind of water, surfaces or air.

	DENDRIDIAG®IW	DENDRIDIAG®SW	DENDRIDIAG®UPW	DENDRIDIAG®BF	DENDRIDIAG®AIR
Application	Industrial water	Sanitary water	Ultra-pure water	Surfaces	Air
Use examples	Cooling circuits, process circuits, water production units for industrial use, galvanoplasty...	Drinking water distribution systems, domestic hot water production units, indoor networks...	Circuits for the production and distribution of ultra-pure water, sterile water for injection, micro-electronic production...	Swimming pools, food process, pharmaceutical & clinical processes, cooling circuits, sanitary water production units...	Aeraulic circuits, hospitals, offices, hazardous industries such as composting plants, methanation...
Limit of quantification	0.1 pgATP/ml or 100 eq.bact./ml	0.02 pgATP/ml or 20 eq.bact./ml	0.1 pgATP/l or 100 eq.bact./l	0.05 pgATP/cm² or 50 eq.bact./cm²	1.0 pgATP/m³ or 1 000 eq.bact./m³

Specifications

Measurement method	Photon counting by photomultiplier
Type	Tube luminometer
Compatible DENDRIDIAG® Kits	DENDRIDIAG®IW , DENDRIDIAG®SW , DENDRIDIAG®UPW , DENDRIDIAG®BF , DENDRIDIAG®AIR
Measuring range	0.5 to 3 000 pgATP
Measuring range (ex: with 1000 ml filtration)	From 0.0005 pgATP/ml to 3 000 pgATP/ml or 0.5 eq.bact./ml to 3x10 ⁶ eq.bact./ml
Background signal	< 1 RLU
Measurement duration	10 seconds
Measurement chamber dimensions	12 x 75 mm
Unit of measurement	RLU
Memory storage	1 000 measurements
Power supply	Rechargeable battery (NiMH) or AC adapter
Dimensions	185 x 110 x 75 mm
Mass	700 g
Temperatures	Storage: -10 to 50°C Operation: 15 to 35°C
Accessories included	AC Adapter Stainless steel sampling template 20cm² (included only with DENDRIDIAG®BF kit)
Documents	USB flash drive: complete operating mode, kit handbook, video tutorial, calculation table (Excel), interpretation value guide, SDS.
Manufacturer's guarantee	1 year (battery excluded)

Content

The luminometer is supplied with an adapter sector, a handbook and a USB flash drive.

The USB flash drive contains the complete operating mode, the kit handbook, the video tutorial, the calculation table (Excel), the value interpretation guide and the safety data sheets.

For the luminometer sold with the **DENDRIDIAG® BF** kit, a sampling template is supplied.

Related products

- The **DENDRIDIAG®** reagents for industrial water (**IW**), sanitary water (**SW**), ultra-pure water (**UPW**), surfaces (**BF**) or air (**AIR**),
- 1 consumable kit for industrial water, sanitary water, ultra-pure water, surfaces or air.

Please, consult GL BIOCONTROL for information about compatibility of your reagents or consumables with the luminometer PD-30.

4 easy ways to order

- @ by e-mail at contact@gl-biocontrol.com,
- ☎ by fax at + 33 (0) 9 55 25 40 31,
- ☎ by phone at + 33 (0) 9 67 39 35 20,
- ✉ by mail at GL BIOCONTROL - 9, avenue de l'Europe, Cap Alpha - 34,830 CLAPIERS (FRANCE).

>>> www.gl-biocontrol.com