

## Choose the best quality/price ratio



You want to monitor by ATP-metry the microbiological quality of your industrial or sanitary water network or of your surfaces. To do so, a measurement device is required: the luminometer. This instrument counts the number of photons emitted by the bioluminescence reaction and displays the results in RLU (Relative Light Unit).

To satisfy our customers, we had to choose a luminometer that is user-friendly, resistant, not expensive and gives reliable results.

Since its creation, GL BIOCONTROL uses the Lumitester of KIKKOMAN on the field for its study (risks analysis in cooling tower or process water circuits, cartography...).

**This luminometer was selected by our research and development department for its excellent technical specifications and its attractive price.**

## Advantages of luminometer KIKKOMAN PD-30

**SENSITIVITY:** measurement range adapted to the microbial monitoring of industrial water, sanitary water and surfaces.

**PORTABLE:** runs on commercial alkaline batteries.

**COMPACT:** dimensions and weight reduced.

**USER-FRIENDLY:** does not require special skills.

**DIGITAL:** memorizes the results.

**AUTONOMOUS:** automatic calibration, no computer needed.

**LOW PRICE:** quick return on investment.

More than

**300**

sites equipped  
in France

Up to

**20%**

less expensive

Result in

**10**

seconds

Up to

**1000**

results  
memorized

## How does it work?

The luminometer KIKKOMAN PD-30 runs with alkaline batteries supplied. The red button is used to turn on the instrument. Calibration is automatic and starts after the device is switched on. 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 Units) after 10 seconds.

## Application fields

With its good sensitivity, the luminometer PD-30 can be used on industrial or sanitary water as well as on surfaces using the **DENDRIDIAG®** kit. Another measurement device is available for monitoring of ultra-pure water or air (please, consult us for further information).

	<b>DENDRIDIAG®IW</b>	<b>DENDRIDIAG®SW</b>	<b>DENDRIDIAG®BF</b>
<b>Application</b>	Industrial water	Sanitary water	Surfaces
<b>Use examples</b>	Cooling circuits, process circuits, water production units for industrial use, galvanoplasty	Drinking water distribution stations, domestic hot water production units, indoor networks...	Food process, swimming pools, pharmaceutical & clinical processes, cooling circuits, sanitary water production units, ...
<b>Limit of quantification</b>	0.50 pgATP/ml Or 500 eq.bact./ml	0.1 pgATP/ml or 100 eq.bact./ml	0.25 pgATP/cm <sup>2</sup> or 250 eq.bact./cm <sup>2</sup>

## Specifications

Measurement technique	Photon counting by photodiode
Type	Tube luminometer with tube holder included
Compatible <b>DENDRIDIAG®</b> kits	<b>DENDRIDIAG®IW</b> , <b>DENDRIDIAG®SW</b> , <b>DENDRIDIAG®BF</b>
Measuring range	From 5 to 50 000 pgATP
Measuring range (ex: with 1000 ml filtration)	From 0.005 pgATP/ml to 50 000 pgATP/ml or 5 eq.bact./ml to 5x10 <sup>7</sup> eq.bact./ml
Background noise	< 2 RLU
Measurement duration	10 seconds
Measurement chamber dimensions	14 x 170 mm
Unit of measurement	RLU
Memory storage	1 200 measurements
Power supply	2 batteries 1.5v (LR6 AA)
Dimensions	203 x 80 x 50 mm
Mass	280 g
Temperature	Storage: -10 to 50°C Operation: 15 to 35°C
Accessories included	Protective cover, wrist strap, cleaning tools, USB cable, two 1.5v batteries (LR6 AA), tube holder Stainless steel sampling template of 20cm <sup>2</sup> (included only with <b>DENDRIDIAG®BF</b> 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 its protective cover, tube holder, wrist strap, cleaning tools, USB cable, 2 alkaline batteries 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**) or surfaces (**BF**),
- 1 consumable kit for industrial water, sanitary water or surfaces.

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](mailto: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](http://www.gl-biocontrol.com)