



# TOXmini

## Simple measurements of biological and chemical luminescence reactions

The TOXmini is a portable and easy to use system for toxicity measurements in a wide variety of samples and applications. It automatically measures the luminescent effect of the *Vibrio fischeri* and will give an indication when the tested sample is toxic.

It can be used in the laboratory (also in combination with the optional cooling block) and as a field system running on the rechargeable internal batteries. It is also an ideal solution to be used on conjunction with the TOXcontrol because it uses the same reagents (freeze dried bacteria, blank solution and positive control).



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## Modern and flexible

- Battery and mains operable
- High-resolution graphic display
- User language German or English
- Serial 9 PIN RS 232 interface for selective data transfer to a standard PC

Variable measurement times in order to obtain optimum results even in case of weak luminescence.



## User-friendly

- Data memory for up to 2000 test results
- Selective data administration (calling/deleting) by means of the location identification digit, sample number, date, time parameters
- 6 individual programme places for user-defined measuring programmes

Classification of test results by means of previously defined thresholds



## Variable test methods

- **<BioTox-S>**: Implementation of luminous bacteria toxicity tests only with the analysis of the final light intensity of the tests
- **<BioTox-B>**: Implementation of luminous bacteria toxicity tests with the analysis of initial and final light intensity
- **<RLU>**: Evaluation of luminescence tests (e.g. ATP tests, Reporter gene assays) with respect to relative light units (RLU)

## Applications

- Intake protection for drinkingwater companies
- Waste water checking: Influent and effluent measurements
- Process water security control for food applications for HACCP applications
- Off line control, validation and verification of the results of the TOXcontrol
- Testing the sensitivity of the luminescent bacteria (*Vibrio fischeri*)
- Off-line comparison with the on-line TOXcontrol
- QA/QC applications of bacteria and reagents
- Other toxicity applications.



## Technical data

<b>Detector:</b>	Ultra Fast Single Photon Counter
<b>Spectral wave range:</b>	380 - 630 nm
<b>Software:</b>	microprocessor software, 6 userspecific measurement protocols can be stored
<b>Data storage:</b>	max. 2000 measurements
<b>User languages:</b>	optionally German or English
<b>Display:</b>	illuminated graphic display (128 x 64 dots)
<b>Interface:</b>	RS 232 interface for data transfer to the PC or printer
<b>Operating mode:</b>	batterie or mains operable
<b>Batteries (rechargeable batteries):</b>	3 rechargeable batteries: NiCd R14/C/Baby/UM2 batteries; 2500 mAh
<b>Mains power supply:</b>	230 V / 50 Hz, 115 V / 60 Hz
<b>Dimensions (H / W / D):</b>	170 x 150 x 280 mm
<b>Weight:</b>	2 kg (incl. batteries)
<b>Humidity:</b>	10 % to 90 % (no condensation)
<b>Temperature Range:</b>	+15 °C to +30 °C
<b>Warranty:</b>	1 year



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