



High sensitivity digital portable toxicity analyzer

Model: **APEX-LJ833**

Standard:

Introduce: Introduction: APEX-LJ833 Toxicity analyzer is a toxicity biosensor technology-based detection system for qualitative and quantitative detection of lu...

Detailed product information

Introduction:

APEX-LJ833 Toxicity analyzer is a toxicity biosensor technology-based detection system for qualitative and quantitative detection of luminescent bacteria in metabolism when the light-emitting. It provides a fast and effective water quality conditions and food toxicity testing means to quickly and accurately assess the toxicity of just a few easy steps can give reliable analytical results.

Applications

APEX-LJ833 Toxicity analyzer particularly suitable for drinking water and food toxicity monitoring and rapid detection of sudden water pollution incident. Can also be used for monitoring hazardous material change in the pipe network, sewage treatment plant influent and effluent relative toxicity.

Measurement principle

Instrument using luminescent bacteria reagent, and this light will be issued when the bacteria during metabolism, when these bacteria in a toxic environment caused by the heavy metals and other organic matter and microorganisms when they emit light is suppressed, the stronger toxicity, on the metabolism of the luminescent bacteria the stronger the inhibition, the light emitting be suppressed more significantly, changes in the intensity of light according to its can be quickly and accurately test the toxicity of the sample.

Product parameters

Dynamic Range	≥ 106
Test tube	diameter 12mm, height 47 ~ 75mm
Communication	RS232C connection PC
Measuring time	0 ~ 99s optional (1s increments)
Store data	at least 2000 measurements
Operating Temperature	15 ~ 40 °C
Display	LCD with backlight
Power supply	220V \pm 10%, 50Hz, 35W
Battery	3.7V 5000mAh rechargeable battery plate
Humidity	10% to 90% non-condensing
Size	320 (L) x 170 (width) x 180 (high) mm
Weight	2kg (with battery)

Performance characteristics

High sensitivity, be able to monitor very low concentrations

Can detect a very wide range of contaminants

Chinese language interface, friendly and easy to use

Fast, reliable, and a few minutes out of the results

Conveniently portable, suitable for outdoor scene detection

Without strict environmental conditions, adaptable

To distinguish heavy metals and organic compounds

Luminescent bacteria can be long-term storage

Toxicity analyzer reagents

Luminescent bacteria was made by the state-of-the-art strain screening and freeze-drying procedures. The bacteria are very sensitive to toxic substances, heavy metal buffer or organic buffer to determine the source of toxic substances. The sensitivity can be improved by these two buffer up sub mg / L level. Luminescent bacteria reagent stored for up to seven days, wide use temperature. Reagent Composition

The sealed bottled lyophilized luminous bacteria

Positive control standard solution: copper chloride and sodium chloroacetate

Test tube

Storage buffer

Heavy metal buffer

Organics buffer