

ELx808LBS Reader

A Simple-To-Use, Highly Accurate Plate Reader for Endotoxin Testing

Specifications

Plate type:

96-well plates

Light source:

Tungsten halogen bulb

Dynamic range:

0.000 to 4.000 Abs

Wavelength range:

380 to 900 nm

340 to 900 nm (UV option)

Wavelength selection:

Interference filters

Accuracy:

±1% ±0.010 Abs from 0.000 to 2.500 Abs

±2% ±0.010 Abs from 2.500 to 3.500 Abs

Linearity:

±1% from 0.000 to 2.500 Abs

±2% from 2.500 to 3.500 Abs

Repeatability:

±0.5% ±0.005 Abs from 0.000 to 2.500 Abs

±1.5% ±0.005 Abs from 2.500 to 3.500 Abs

±2.5% ±0.005 Abs from 3.500 to 4.000 Abs

Read method:

Endpoint, kinetic, well scanning

Reading speeds:

12 secs single wavelength

20 secs dual wavelength

5 secs kinetic single wavelength

Software:

55 open assays

Curve fit, formulas, reports

Power:

100-240 V @ 50/60 Hz

Filters included:

405, 450, 490, 630

405, 450, 490, 630, 340 (UV option)

Optical probe info:

Bundled fiber optics

Photodetector:

8 photodiodes, 1 reference

Temperature control:

From 4°C above ambient to 50°C (I option)

Well-to-well uniformity ± 0.5°C

Shaking:

User-programmable speeds and timing

Diagnostic:

Self-test, test plate software on board

Weight:

30 lb. (13.6 kg)

Dimensions:

16 D x 15.5 W x 8.75 H in. (40.6 x 39.4 x 22.2 cm)

Regulatory:

CE Mark, ETL Mark for UL3101-1

CAN/CSA C22.2 No. 1010.1

Conforms to IEC 1010-1

Display:

2 x 24 character LCD