

ELx808™ Absorbance Reader

High quality optics and rugged design are the hallmarks of the ELx808™ Absorbance Microplate Reader. The 340 nm – 900 nm wavelength range encompasses a wide range of potential applications for this multichannel reader. The ELx808 offers unsurpassed superior 4-Zone™ incubator, providing excellent stability for temperature sensitive assays like endotoxin analysis and long-term bacteria and yeast growth studies.

The ELx808 is controlled by Gen5 Reader Control Software for rapid data collection, export and printing. Other available Gen5 editions offer powerful data analysis for end point and kinetic measurements, along with customizable reporting and exporting features.



Features:

- 4-Zone™ incubation option provides improved reproducibility for temperature-sensitive assays
- Fast kinetic measurements in intervals as short as 6 seconds with multiple kinetic analysis options
- Superior optical design incorporates staggered optics to eliminate channel-to-channel cross-talk
- End point, kinetic and linear well scanning read modes
- Gen5 Reader Control Software included
- 21 CFR Part II features available in Gen5 Secure

Typical Applications:

- ELISA
- Enzyme kinetics
- Endotoxin assays
- Cell growth studies
- Cytotoxicity
- Protein assays

Configurations:

ELX808: For 96-well plates, 380 – 900 nm wavelength range and shaking

ELX808IU: For 96-well plates, 340 – 900 nm wavelength range, incubation to 50 °C and shaking

See Web site or price list for configurations and descriptions.

Optional Accessories:

- Gen5™ Microplate Reader and Imager Software
- Gen5™ Secure (for 21 CFR Part 11 Compliance)
- Patented BioCell™ 1 cm Quartz Vessel
- BioCell™ Adapter
- Absorbance Test Plate
- Lamp for ELx808 (all configurations)
- Product Qualification Package

Specifications:

General

Detection method:	Absorbance
Read method:	End point, kinetic, linear scanning
Microplate types:	96 wells
Temperature control:	4-Zone™ incubation to 50 °C (ELx808IU)
Shaking:	Linear
Software:	Gen5™ Reader Control Software included
Onboard software:	55 user-programmable protocols

Absorbance

Light source:	Tungsten halogen
Wavelength selection:	Filters
Wavelength range:	380 – 900 nm 340 – 900 nm (ELx808IU)
Bandpass:	10 nm
Dynamic range:	0 – 4.0 OD
Resolution:	0.001 OD
Filter wheel capacity:	6 positions
Filters supplied:	4 filters (5 with UV option)
OD accuracy:	<1% at 2.5 OD <2% at 3.5 OD
OD linearity:	<1% at 2.5 OD
OD repeatability:	<0.5% at 2.5 OD <1.5% at 3.5 OD
Reading speed:	96 wells: 8 seconds

Physical Characteristics

Power:	100 – 240 Volts AC. 50/60 Hz
Dimensions:	16"D x 15.5"W x 8.75"H (40.6 x 39.4 x 22.2 cm)
Weight:	30 lbs (13.6 kg)

Regulatory

For In Vitro Diagnostic use. CE and TUV marked, RoHS compliant.



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Performance values represent the average observed factory test values.

**Specifications subject to change.*

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