

## Equipment - Readers

# ELX800LDI - MICROPLATE READER

As A Stand-Alone Microplate Reader, The ELX800 Is Designed For Applications Within The Clinical, Biotechnology Research And Pharmaceutical Areas. The On-Board Data Reduction Surpasses Many PC Software Packages With Its Extensive Curve-Fitting, Cutoff Calculation, Data Transformation And Validation Capabilities. The ELX800 Interfaces With All Of Bio-Tek's Software Packages Including KC4 And KC Junior.

- Extensive on-board data analysis:
  - Curve-fitting options including linear, quadratic and 4-P.
  - Control and assay validation with complete results reporting.
  - Transformation formulas.
  - Cutoff and call criteria.
- Memory:
  - Stores 55 assay definitions in memory (up to 75 custom assays).
  - Saves 8 microplate test results.
  - Stores up to 25 standard curves for reuse.
- Multiple Plate Formats:
  - 384-well plate capability for High Throughput Screening applications.
  - Routine ELISA's and cellular assays in 24-, 48-, and 96-well analysis.
  - Specialized applications in 60-, 72-, and 96-well Terasaki formats.
- On-Board Diagnostic Testing:
  - System Test checks the entire optics path.
  - Universal Test Plate software tests for alignment, accuracy, linearity and repeatability.
- Interfaces To Many Robotic Workstations (optional).



### Specifications:

Format:	- 1 Reader.
Plate Type:	- 24-, 48-, and 96-well strips.
Speed:	- 30 seconds for 96 wells.
Filters:	- 5-cavity wheel supplied: 405, 450, 490, 630 nm.
Absorbance Range:	- 0.000 to 3.000 Abs.
Wavelength Range:	- 400 to 750 nm.
Resolution:	- 0.001 Abs.
Accuracy:	- +/- 1% +/- 0.010 Abs from 0.000 to 2.000 Abs.
Linearity:	- +/- 1% from 0.000 to 2.000 Abs. - +/- 3% from 2.000 to 3.000 Abs.
Repeatability:	- +/- 0.5% +/- 0.005 Abs from 0.000 to 2.000 Abs.

Dimensions:	- 16.5" D x 15" W x 7" H (41.9 x 38.1 x 17.8 cm).
Weight:	- 18.5 lb. (8 kg.).
External Outputs:	- RS 232 Serial Interface. - Parallel Printer interface.
Display:	- 2 x 24 LCD Display.
Regulatory:	- CE Mark, ETL Mark for UL3101-1, CAN/CSA C22.2 No. 1010.1, Conforms to IEC 1010-1.
Read Method:	- End point.
Product ID #:	- Q9800