



Microplate ELISA Reader

KEY FEATURES

- Touch screen with graphic interface
- Optical System: 8 independent photometric channel reads fast and accurate within 6 seconds.
- Strip management system helps to read multiple assays in one plate
- Information Management System optional available.
- Customized user defined templates
- Options to run 12 assays on the same plate at the same time.
- Multiple results reporting formats
- Data Interface
- Pre-programmed shaking facility

TECHNICAL SPECIFICATIONS

Calculation modes	Absorbance, Cut-Off, Single point calibration, Curve regression, Multiple points percentage, Linear regression, Index regression, Logarithmic regression Power regression, Percentage logarithmic regression, Four-parameter regression
Report Types	Multiple result reporting formats are available: Raw, Absorbance, limit, cut-off, concentration, curve-fit, difference & kinetic
Memory	Windows based Data Management Software which facilitates storage of 100 program locations with 1000 patient data and 10000 sample records.
Self-Test	Yes, Check filter disk, plate transport, electronics, main PC board, battery and memory
Warm-up time	Up to 90 seconds
Reading speed	
Continuous mode: Single Dual	5 seconds 10 seconds
Step mode: Single Dual	15 seconds 30 seconds
Mixing Capability	3-speed programmable
Programmable time	0-60 seconds

Compatible plates	Polystyrene flat U & V bottom plates & 8 or 12-well strip plate
Optics	
Spectral range	400-700 nm
Photometric methods	Single & Dual
Filter capacity	8 interference filters, 4 filter installed free & 4 Optional
Standard Filter	405 nm, 450 nm, 492 nm & 630 nm
Photo-detectors	8 silicon photodiode detectors for measurement
Light source	Tungsten Halogen, 6V/20W
Technical:	
Measurement range	0.000 to 3.500
Linear Measurement range	0.000 to 2.000
Resolution	0.0001 OD
Accuracy	±1.0% for 0.0-2.0 or ±0.007A
Precision	±0.5% for 0.0-2.0 or ±0.005A
Linearity	±2.0% or ±0.007A
Information Management system	Yes available but with Data management software.
Database back-up	Yes
Printer/Interface/Display	External printer, RS-232C serial interface, USB interface, RJ45 interface, SD interface. Windows CE/Windows. Touch Screen & Pen / External Mouse 5.7 inches LCD display, 320 × 240, 256 gray scale
Power Supply	110 V-220 V, 50-60 Hz
Operating Conditions	Temperature: 0°C -40°C, Humidity ≤85%
Dimensions	46 cms x 34 cms x 19 cms
Weight	7.5 kgs
Cat. No.	811TS000000

LIST OF STANDARD COMPONENTS SUPPLIED ALONG WITH THE INSTRUMENT

Components	Qty	Components	Qty
1. Power Cord	1 No.	5. RS-232 Cable	1 No.
2. Touch Pen & Bracket	1 No.	6. Fuses (3.15A)	2 Nos.
3. Mouse	1 No.	7. Dust Cover	1 No.
4. User Manual	1 No.		