

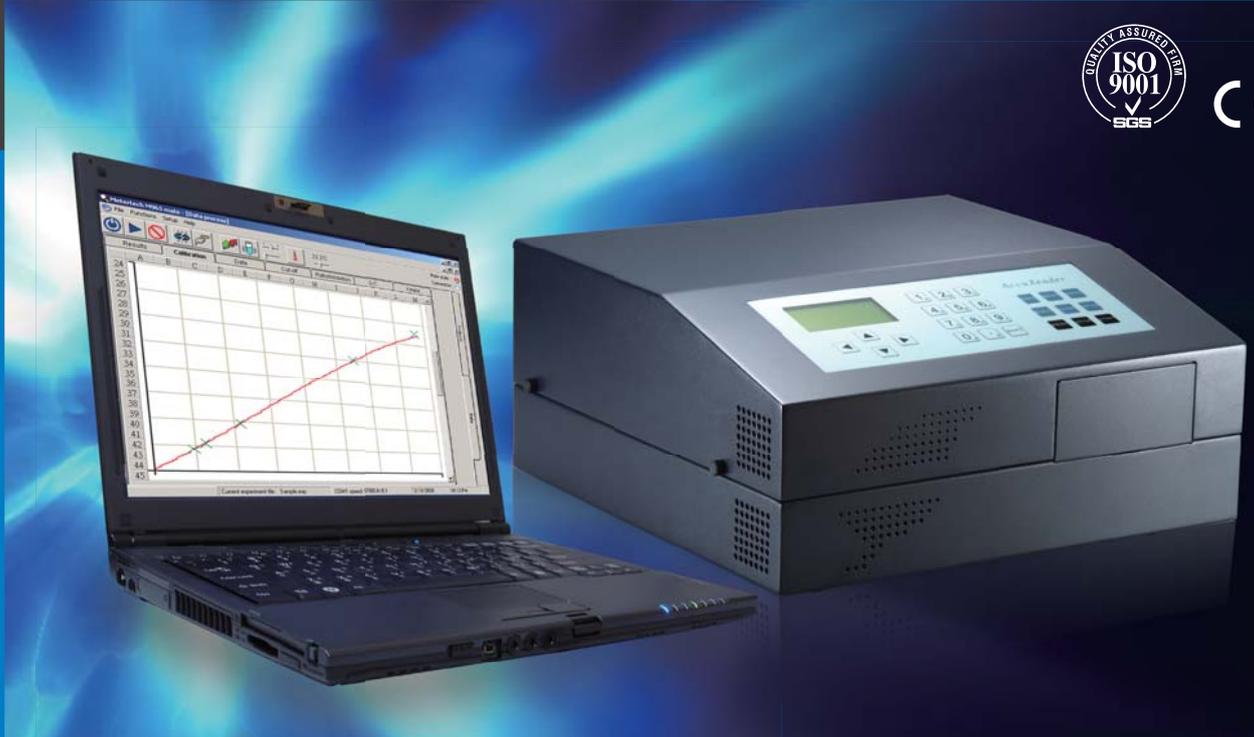
AccuReader

Microplate Reader

M965/M965+



Provide Accurate Results



Absorbance microplate reader for fast and accurate result

Product Description

Using high quality optical components the M965 Microplate reader can perform ELISA measurements between the wavelength of 340~750nm with end point, two point, and kinetic measurement method. The M965 is built with an incubator and, shaker for temperature sensitive kinetics measurements. To interface with PC the M965 comes with the PC-Mate software to control, store, and transfer the analysis results from the instrument to the PC.

With the versatility and features provided within the M965 Microplate reader users can use this instrument in many different applications such as ELISAs / EIAs, enzymatic activity, bacterial growth studies, and fast kinetic assays.

Key Features

■ PC-Mate software to control and store data through the PC

The convenient PC-Mate software lets users control the measuring method, incubator, shaker, and analysis method through the PC or notebook in their lab. The PC-Mate software also transfers the protocols and standard curves of the instrument onto a PC or notebook for storage.

The software interface is divided into three main sections:

- Parameter:** Shows various control options such as 'Measurement Type', 'Incubation' (with temperature set to 22.2°C), 'Starting Method' (Immediate or Delay), and 'Shaker' options. It also includes filter wavelength settings (Main1: 450 nm, Main2: 450 nm) and checkboxes for 'need quantitative', 'need cutoff', 'Ratio/Inhibition', and 'Q.C.'.
- Data List:** A table with columns for 'type', 'name', 'well', 'replicate', 'plate', 'Abs.', and 'Col.'. It lists multiple samples (SAM 1-5) and standard (STD) measurements across different wells (A5-E5) and replicates.
- Calibration:** A graph showing a linear relationship between Absorbance (Abs) and Concentration (Conc.). The graph includes a red trendline and a formula: $ABS = a0 + a1 * C + a2 * C^2 + a3 * C^3 * C^4$. The y-axis ranges from 0.000 to 1.875, and the x-axis ranges from 0.000 to 0.8448.

Parameter

Data List

Calibration



Administrator

Specification

Model Number	M965 / 965+
Wavelength range	400-750 nm 340-750 nm
Optical system	9 channels, 1 reference channel
Filters	8
Well type	96
Measurement range	0.000~4.000 Abs
Measurement time	<5 sec
Measurement modes	End point, Two Point , Kinetics
Accuracy	+/- 0.005 Abs or 2%
Linearity	+/- 1% from 0.000 to 3.000 Abs
Precision	<0.2% CV from 0.000 to 2.000 Abs <0.5% CV from 2.000 to 3.000 Abs
Resolution	0.001 Abs
Data storage	Parameter 100 sets, Data 50 sets, Calibration 20 sets
Interface	RS232 or USB
Incubator	+3°C ~50°C +/- 0.5°C
Shaking	8Hz, 11Hz, and 14Hz
Dimension	355 x 345 x 174 (mm)
Weight	14 Kg

*Metertech reserve the right to alter specifications without notice

Ordering Information

DESCRIPTION	PART NUMBER
M965 Microplate Reader	M965
M965+ Microplate Reader	M965-001
Tungsten halogen lamp	M965-201
Filter cassette 405nm	M965-301
Filter cassette 450nm	M965-302
Filter cassette 490nm	M965-303
Filter cassette 550nm	M965-304
Filter cassette 570nm	M965-307
Filter cassette 650nm	M965-306
Filter cassette 600nm	M965-305

