



- + Intuitive, 7 inch color touch screen control panel
- + Filter based system, wavelength range from 340 to 750nm
- + Stand alone system, with USB flash drive for data transfer
- + Absorbance range: 0.0 to 4.000 Abs
- + Integrated, multispeed plate shaker



Technical Data:

Control and Display:	7" touch screen, 800x480 pixels
Light Source:	Quartz halogen lamp, 6V/10W
Wavelength Range:	340-750nm
Read-out Range:	0-4.000 Abs
Linearity (405nm)	0-2.00 Abs <+1% 2-4.000 Abs <+2%
Resolution:	0.001 Abs
Accuracy (405nm)	+1% (0-3 Abs) +2% (3-4 Abs)
Precision (405nm)	CV≤0.2% (0-3 Abs) CV≤1.0% (3-4 Abs)
Test Speed:	<6 seconds for a 96 well plate
Shaking:	Slow, medium or fast mode
User Interface:	Menu driven software, touch screen
Storage:	200 programs, 100,000 test records
Ports:	USB for printer, mouse, PC and flash drive
Dimensions: (W x D x H)	11.6 x 17 x 8.75 in. 29.5 x 44 22.5 cm
Weight:	22 lbs (10kg)
Electrical:	115V or 230V, 50Hz to 60Hz
Warranty:	2 years

Plate Layout Menu



SmartReader™ 96 is a welcome addition to laboratories routinely measuring concentration or absorbance in 96 well plates. A stand alone system, the reader features a seven inch color touch screen, multispeed shaker, intuitive software and graphical interface - no computer connections or additional software are needed.

Four popular filters are preinstalled: 405, 450, 492 and 630nm. Twenty six additional filters are available to cover the range from 340 to 750nm. Eight filters can be loaded at one time in the integrated filter wheel and selected during programming. Operation and programming are intuitive and achieved using the touch screen or optional mouse. Menus allow the user to choose the filter, set shaking parameters and enter details of the plate layout and choose details for the reading protocol and data calculations. Immediately after reading a plate, the measured data is available on the screen, as are calculations, curve fitting and data interpretation.

The USB port can be used for firmware updates as well as data transfer and printing.

Ordering Information:

Item No.*	Description:
MR9600	SmartReader™ 96 Microplate Absorbance Reader for 96 well plates, 115V
Accessories	
MR9600-TP	Thermal Printer for SmartReader 96
MR9600-PA	Extra paper rolls for MR9600-TP printer, pk/4
MR9600-340	Filter for SmartReader 96 Microplate Reader, 340 nm
MR9600-380	Filter for SmartReader 96 Microplate Reader, 380 nm
MR9600-405	Filter for SmartReader 96 Microplate Reader, 405 nm
MR9600-415	Filter for SmartReader 96 Microplate Reader, 415 nm
MR9600-420	Filter for SmartReader 96 Microplate Reader, 420 nm
MR9600-450	Filter for SmartReader 96 Microplate Reader, 450 nm
MR9600-470	Filter for SmartReader 96 Microplate Reader, 470 nm
MR9600-490	Filter for SmartReader 96 Microplate Reader, 490 nm
MR9600-492	Filter for SmartReader 96 Microplate Reader, 492 nm
MR9600-510	Filter for SmartReader 96 Microplate Reader, 510 nm
MR9600-520	Filter for SmartReader 96 Microplate Reader, 520 nm
MR9600-532	Filter for SmartReader 96 Microplate Reader, 532 nm
MR9600-540	Filter for SmartReader 96 Microplate Reader, 540 nm
MR9600-546	Filter for SmartReader 96 Microplate Reader, 546 nm
MR9600-560	Filter for SmartReader 96 Microplate Reader, 560 nm
MR9600-562	Filter for SmartReader 96 Microplate Reader, 562 nm
MR9600-570	Filter for SmartReader 96 Microplate Reader, 570 nm
MR9600-578	Filter for SmartReader 96 Microplate Reader, 578 nm
MR9600-590	Filter for SmartReader 96 Microplate Reader, 590 nm
MR9600-595	Filter for SmartReader 96 Microplate Reader, 595 nm
MR9600-600	Filter for SmartReader 96 Microplate Reader, 600 nm
MR9600-620	Filter for SmartReader 96 Microplate Reader, 620 nm
MR9600-630	Filter for SmartReader 96 Microplate Reader, 630 nm
MR9600-646	Filter for SmartReader 96 Microplate Reader, 646 nm
MR9600-650	Filter for SmartReader 96 Microplate Reader, 650 nm
MR9600-663	Filter for SmartReader 96 Microplate Reader, 663 nm
MR9600-680	Filter for SmartReader 96 Microplate Reader, 680 nm
MR9600-690	Filter for SmartReader 96 Microplate Reader, 690 nm
MR9600-700	Filter for SmartReader 96 Microplate Reader, 700 nm
MR9600-750	Filter for SmartReader 96 Microplate Reader, 750 nm

*115V with US plug. For 230V (EU plug), add (-E).